

1956

Soybean

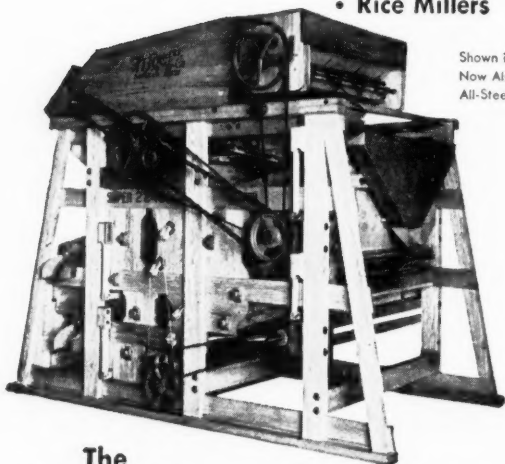
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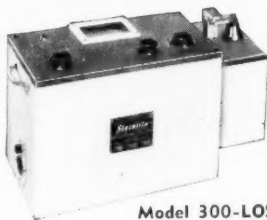
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Executive Office — Hudson, Iowa

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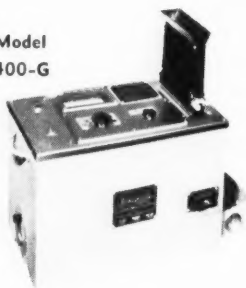
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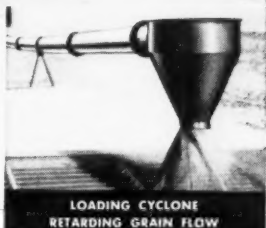
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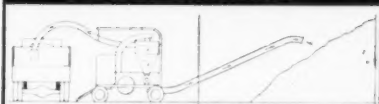
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ACTIVITIES

The American Soybean Association is the non-profit organization devoted to the interests of soybean growers and handlers of the nation. Organizational affairs are directed by a board of directors consisting of 15 members chosen by vote from the states where production is heaviest. Board membership is limited to actual producers of soybeans.

Objectives of the American Soybean Association include the bringing together of all persons interested in the production, distribution and utilization of soybeans; the collection and dissemination of the best available information relating to both the practical and scientific phases of the problems of increased yields coupled with lessened costs; the safe-guarding of production against diseases and insect pests; the promotion of the development of new varieties; the encouragement of the interest of federal and state governments and experiment stations; and the rendering of all possible services to the industry.

FIGHTS YOUR LEGISLATIVE BATTLES.

The American Soybean Association promotes new markets and encourages the expansion of present markets for soybeans and soybean products, counsels with governmental agencies on programs

affecting the soybean crop, represents and protects the interests of soybean growers in legislative matters, and sponsors and encourages legislation and appropriations for research work on varieties, diseases, pests, new uses, and on factors limiting or affecting usage of soybean products. Association officers spend large amounts of time representing the interests of soybean growers in Washington and in the state capitals on legislative matters.

PROMOTES MARKETS for soybeans and soybean products in the United States and in foreign countries. Constant contacts with export buyers and users serve to encourage and expand export markets for soybeans, soybean oil meal, soybean oil, lecithin and other products. Encouragement and promotion of markets for soybeans and soybean products in industry, human food and in livestock feeding operations are a major project of the Association.

HOLDS ANNUAL CONVENTIONS with the nation's outstanding soybean authorities as speakers. Its resolutions adopted there serve as guides for the Association during the year.

ENCOURAGES YIELD CONTESTS through which comparisons of growing practices and varieties between counties and states become possible.

ANSWERS YOUR QUESTIONS. The executive office of the American Soybean Association at Hudson, Iowa, serves as a clearing house of information for the industry, answering many thousands of questions that come by postcard, letter and telephone each year.

PUBLICATIONS

The **Soybean Digest** is the only magazine in America devoted to soybeans. Published monthly by the Association it goes to all members of the American Soybean Association. The **Soybean Blue Book** is the annual directory of the industry. **Late News**, Association newsletter carrying the latest crop and market information, appears in each issue of the **Soybean Digest** and is mailed first class to subscribers 20 times yearly in addition.

MEMBERSHIP

Active Membership in the American Soybean Association is open to individuals on payment of annual dues of \$3 and includes subscription to the **Soybean Digest**.

Associate Membership is open to business organizations, corporations, partnerships and other agencies interested in the welfare of the soybean industry at a cost of \$10 per year, including one subscription to the **Soybean Digest**.

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Vice President and Chairman of Executive Committee—Dwight L. Dannen.

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Regular membership in the National Soybean Processors Association is limited to individuals, firms or corporations regularly engaged in the actual processing of soybeans. The Association now has 65 members who regularly process more than 85% of the soybeans crushed in the United States.

Recently the constitution of the Association was altered to provide for associate memberships. Firms which are consumers of soybean oil and or soybean oil meal now are eligible for associate membership. A number of refiners and mixed feed manufacturers are now associate members of the Association.

The Association policy is determined by its board of directors who represent all sections of the processing areas and all types of processing units. The 11 committees of the Association carry on the general activities of the group.

Through this organization, equitable trading rules have been developed which have admirably and fairly served the buyers and sellers of soybean products during the years in which the soybean industry has made such remarkable growth.

The intense research activity fostered by the Association and its members has played an

important part in placing the industry on the high plane which it enjoys today. The promotional efforts of the Association and its members have established a place for soybean products in highly competitive fields. Through this research and promotional activity the products of soybeans have become standard essentials in our food, feed and industrial markets.

In March 1948 the Association launched a national soybean crop improvement program with W. Calland of Decatur, Ind., as director.

Since the inauguration of the program, some 500,000 copies of the booklet, Soybean Farming, have been distributed. The publication is now in its third edition. A publication, Soybean News, issued four times a year, is being sent to a mailing list of over 21,000. A recent activity has been the production of a sound color 16mm movie entitled, Soybeans—the Feature Story. This film runs 27 minutes. It is available from the American Soybean Association, Hudson, Iowa, the university film libraries in the principal soybean producing states and from the Modern Talking Picture Service, Inc., 142 E. Ontario St., Chicago 11, Ill. Soybeans—the Feature Story is now being produced in black and white for use on television stations and has been viewed by more than 6 million people. Prints for TV showings are available from Modern Talking Picture Service, TV division, 219 E. 44th St., New York 17, N. Y.

Working with the Crop Improvement Council is an advisory board made up of agronomists from 18 of the principal soybean states and two members of the U. S. Regional Soybean Laboratory. This board works closely with the Council in all matters of soybean production research, variety improvement and better cultural practices.

SOYA FOOD RESEARCH COUNCIL

Organized 1936.

Address—1026 17th St., N. W., Washington 6, D. C.

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Chairman of Nutrition—Dr. C. Kenneth Shuman.

This Council, which represents the interests of both the manufacturers of soy food products and the growers of soybeans, is primarily interested in scientific research, new product studies, refinement of methods, and development of new markets.

During the war and postwar periods, this group was the channel through which the industry assisted the government in bringing about public consciousness of the high food value and comparative low cost of soy protein products.

With helpful advice from government technologists, standards were adopted.

At government request substantial increases were made in the industry's productive capacity.

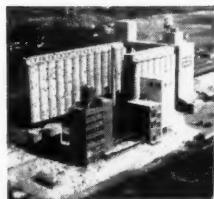
In recent years there has been large usage of soy flour products in various parts of the world. American usage has increased. There has been a growing realization, both in public and in government, that edible soy protein is the key to providing low-cost protein to millions whose diets are dangerously low in proteins.

In the past few years various types of scientific research on soy flour have been or are being carried on, in the following institutions: University of Illinois, Purdue University, University of Minnesota, Kansas State College, Pittsburg University, Midwest Laboratories, U. S. Regional Laboratories, and elsewhere.

This work is far more than matched by the studies conducted in the large laboratories of private companies.

Today soy flour is used in many food articles including:

Bakery products, breakfast foods, candies, chocolate, diabetic foods, health drinks, ice cream cones, ice cream powder, infant foods, macaroni and spaghetti products, meat products, prepared mixes and pet foods.



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OFFICIAL STANDARDS FOR SOYBEANS

Revised effective Sept. 1, 1955

Sec.

26.601 Terms defined.

26.602 Principles governing application of standards.

26.603 Grades, grade requirements, and grade designations.

AUTHORITY: §§ 26.601 to 26.603 issued under sec. 8, 39 Stat. 485; 7 U. S. C. 84. Interpret or apply sec. 2, 39 Stat. 482, as amended; 7 U. S. C. 74.

§ 26.601 **Terms defined.** For the purposes of the official Grain Standards of the United States for soybeans:

(a) **Soybeans.** Soybeans shall be any grain which consists of 50% or more of whole or broken soybeans which will not pass readily through an 8/64 sieve and not more than 10% of other grains for which standards have been established under the United States Grain Standards Act.

(b) **Classes.** Soybeans shall be divided into the following five classes: Yellow soybeans, green soybeans, brown soybeans, black soybeans, and mixed soybeans.

(c) **Yellow soybeans.** Yellow soybeans shall be any soybeans which have yellow or green seedcoats, and which in cross section are yellow or have a yellow tinge, and may include not more than 10% of soybeans of other classes.

(d) **Green soybeans.** Green soybeans shall be any soybeans which have green seedcoats, and which in cross section are green, and may include not more than 10% of soybeans of other classes.

(e) **Brown soybeans.** Brown soybeans shall be any soybeans with brown seedcoats, and may include not more than 10% of soybeans of other classes.

(f) **Black soybeans.** Black soybeans shall be any soybeans with black seedcoats, and may include not more than 10% of soybeans of other classes.

(g) **Mixed soybeans.** Mixed soybeans shall be any mixture of soybeans which does not meet the requirements of the classes yellow soybeans, green soybeans, brown soybeans, or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

(h) **Grades.** Grades shall be the numerical grades, sample grade, and special grades provided for in § 26.603.

(i) **Bicolored soybeans.** Bicolored soybeans shall be soybeans with seedcoats of two colors, one of which is black or brown.

(j) **Splits.** Splits shall be pieces of soybeans that are not damaged.

(k) **Damaged kernels.** Damaged kernels shall be soybeans and pieces of soybeans which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-damaged, moldy, diseased, or otherwise materially damaged.

(l) **Heat-damaged kernels.** Heat-damaged kernels shall be soybeans and pieces of soybeans which are materially discolored and damaged by heat.

(m) **Foreign material.** Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through an 8/64 sieve and all matter other than soybeans remaining on such sieve after sieving.

(n) **Stones.** Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

(o) **8/64 sieve.** An 8/64 sieve shall be a metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter with approximately 4,736 perforations per square foot.

§ 26.602 **Principles governing application of standards.** The following principles shall apply in the determination of the classes and grades of soybeans:

(a) **Basis of determination.** Each determination of class, splits, damaged kernels, and heat-damaged kernels, and of black, brown, and or bicolored soybeans in Yellow or Green Soybeans, shall be upon the basis of the grain when free from foreign material. All other determinations shall be upon the basis of the grain as a whole.

(b) **Percentages.** All percentages shall be upon the basis of weight. The percentage of splits shall be expressed in terms of whole percents. All other percentages shall be expressed in terms of whole and tenths percents.

(c) **Moisture.** Moisture shall be ascertained by the air-oven method prescribed by the United States Department of Agriculture, as described in

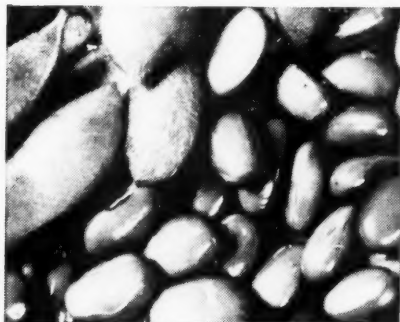
Grade	Minimum test weight per bushel	Maximum limits of					
		Moisture	Splits	Damaged kernels		Foreign material	Brown, black, and/or bicolored soybeans in yellow or green soybeans
				Total	Heat damaged		
	Pounds	%	%	%	%	%	%
1	56	13.0	10	2.0	0.2	1.0	1.0
2	54	14.0	20	3.0	0.5	2.0	2.0
3 ¹	52	16.0	30	5.0	1.0	3.0	5.0
4 ²	49	18.0	40	8.0	3.0	5.0	10.0

Sample grade: Sample grade shall be soybeans which do not meet the requirements for any of the grades from No. 1 to No. 4, inclusive; or which are musty, sour, or heating; or which have any commercially objectionable foreign odor; or which contain stones; or which are otherwise of distinctly low quality.

¹ Soybeans which are purple mottled or stained shall be graded not higher than No. 3. ² Soybeans which are materially weathered shall be graded not higher than No. 4.

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STANDARDS FOR SOYBEANS—(Continued)

Service and Regulatory Announcement No. 147, issued by the Agricultural Marketing Service, or ascertained by any method which gives equivalent results.

(d) **Test weight per bushel.** Test weight per bushel shall be the weight per Winchester bushel as determined by the method prescribed by the United States Department of Agriculture, as described in Circular No. 921 issued June 1953, or as determined by any method which gives equivalent results.

§ 26.605 **Grades, grade requirements, and grade designations.** The following grades, grade requirements, and grade designations are applicable under these standards:

(a) **Grades and grade requirements for soybeans** (see also paragraph (c) of this section).

(b) **Grade designation.** The grade designation for soybeans shall include in the order named the number of the grade or the words "Sample grade," as the case may be; the name of the class; and the name of each applicable special grade. In the case of mixed soybeans the grade designation shall also include, following the name of the

class, the approximate percentages of yellow, green, brown, black, and bicolored soybeans in the mixture.

(c) **Special grades, special grade requirements and special grade designation for soybeans—**

(1) **Garlicky soybeans—(i) Requirements.** Garlicky soybeans shall be soybeans which contain 5 or more garlic bulblets in 1,000 grams.

(ii) **Grade designation.** Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky and there shall be added to and made a part of the grade designation the word "garlicky."

(2) **Weevily soybeans—(i) Requirements.** Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) **Grade designation.** Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily, and there shall be added to and made a part of the grade designation the word "weevily."

SOY FLOUR STANDARDS

	Full-Fat Soy Flour	Low-Fat Soy Flour	Defatted Soy Flour
Protein (Nx6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	4.5% Min. 9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen—97% through No. 100 U. S. Standard Screen for each of the above. *Moisture free basis. Approved and adopted by the Soy Food Research Council.

DEFINITION

The products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed

by subjecting the soy material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched, or grayish color; and free from insects, insect webbing, dirt or other extraneous matter.

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STEPS IN SOYBEAN GRADING

Adapted from U. S. Department of Agriculture extension service folder.

Farmers know they cannot get top prices for dirty wool, mixed eggs, or tree-run apples. The same is true of low-grade soybeans. This article shows you how to tell soybeans of high grade.

Sample. Start with a fair sample of the soybeans. (Grain graders use a long metal trier, or probe, to draw a sample.)

The first five tests are made before the sample is sieved.

1. **Odor.** Smell the sample. Soybeans with a musty, sour, or other bad odor will be graded as Sample. Soybeans can grade No. 1, No. 2, No. 3, No. 4, or as Sample. Sample grade is the lowest. The higher grades bring higher prices. No. 2 is the grade used most in the soybean business.

2. **Weevil and garlic.** If the soybeans are infested with live weevils or other live insects injurious to stored grain, the term "weevily" is added to the grade, as No. 2 Yellow Soybeans, Weevily.

If 1,000 grams (about 2½ lbs.) of the soybeans contain five or more garlic bulbils (wild onions), the term "garlicky" is added to the grade, as No. 2 Yellow Soybeans, Garlicky.

Weevils and garlic are seldom found in soybeans, except in a few counties.

3. **Moisture.** Soybeans must be dry to keep from spoiling in the bin. Grade No. 2 may have no more than 14 parts of water in 100 parts of soybeans (14%). Grain inspectors make tests for water content with moisture machines. Most farmers know by the hardness of the grain when soybeans are dry enough to store safely.

4. **Test weight.** Good soybeans are plump and heavy. Grain inspectors use a brass quart measure and beam in making test weight. No. 2 soybeans must test at least 54 pounds to the bushel. Farmers with clean, dry, ripe soybeans never have trouble with test weight.

5. **Foreign material.** Soybeans should be clean. Dirt and weed seeds lower the price and grade. Inspectors clean soybean samples with a screen or sieve. The sieve has round holes one-eighth of an inch across. Dirt, pieces of soybeans, and other matter taken out with this sieve are known as fine foreign material. Foreign material also includes corn and other grains, sticks, pods, weed stems, and large weed seeds, such as those of cockleburs, morning-glory, hosenettles, or ground-cherries, which will not go through the sieve. Inspectors pick this coarse material off the sieve and add it to the material that went through the sieve. The combination of the fine material removed by the sieve and the coarse material that remained on the sieve makes up the foreign material.

To grade No. 2, soybeans cannot contain over 2% of foreign material. See grade chart above, column headed "Foreign material."

The next three tests are made on the sample after it has been run over the sieve. The sample may still contain coarse foreign material.

6. **Mixed colors.** Soybeans of different colors, such as black or brown in yellow, lower the value. Keep black, brown, and green beans away from the yellow. Over 2% other colors in yellow throws the sample out of the No. 2 grade. See grade chart.

7. **Splits.** When soybeans are very dry they may split when they go through the combine.

The combine should be adjusted during the day as the beans become drier.

To be in No. 2 grade, beans may not be over 20% split. Fractions of 1% are disregarded in making this test.

8. **Damage.** Soybeans are used for food. Moldy, rotten, or frozen beans are not wanted, and the damaged beans cannot exceed 3% if the soybeans are to grade No. 2. Inspectors cut some of the beans in half with a sharp blade to be sure the damage has gone through the outside skin. When cut open, sound, ripe soybeans usually show a creamy yellow color; any great difference in color indicates that the bean is damaged. If damp soybeans heat in the bin, the kernels may turn brown inside and look like overroasted peanuts. This is called heat damage, and mills do not want heat-damaged soybeans.

Heat damage is a factor for the first time. Soybeans which have been affected by heat will not be considered as heat damaged unless they are materially discolored. They will be of the type about which there can be no question regarding the cause of the discoloration. To grade No. 2, soybeans must not be more than 3% heat damaged.

9. **Purple stain.** Soybeans that are purple mottled or stained cannot be graded higher than No. 3. Purple stain is prevalent only in local areas.

Intention of the Department of Agriculture is to degrade only those lots that present a very poor appearance on account of the purple stain, or those that contain a very high percentage of purple mottled soybeans.

Grain inspectors use small scales or balances to make correct tests of what the sample has in it. After your soybean sample is tested by the inspector it is graded. If it does not pass for No. 1, it may be No. 2, No. 3, No. 4, or Sample grade.

The inspector must give his reason for assigning the grade he gives to the soybeans. If you are not satisfied with the grade, you may appeal to the district grain-inspection supervisor, U. S. Department of Agriculture.

What Farmers Can Do To Grow Soybeans That Will Grade High

1. **Use good seed.** Get a high oil-yielding variety recommended by your own state experiment station.

2. **Make a good seedbed.** Work the ground well to kill weeds before planting the seed. Plant soon after corn, when the ground is warm, and preferably in rows, so that beans can be cultivated. Late-planted beans may not ripen and may lodge in the field. Inoculate the soil when soybeans are sown on land for the first time.

3. **Harvest carefully.** Do not combine until the seed is fully ripe. When soybeans are very dry, be careful not to split the seeds in combining or threshing. To prevent spoilage, soybeans should be thoroughly dry before they are put into the bin.

Licensed grain inspectors and federal grain-inspection supervisors of the U. S. Department of Agriculture are the officials located in the larger grain markets who can give you further advice on grading soybeans.

STORAGE AND DIFFERENT MOISTURE LEVELS

Information from Illinois Circular 692

Safe

Moistures below 12%. At this relatively low moisture your beans are safe from trouble due to moisture content at time of storage. "Splits" are likely to occur from handling. Beans may pick up some moisture, and some accumulation can be expected in the upper part of the bin during the winter. Germination stays good until well into the second year. Market beans at 10% moisture were held for nearly four years in farm-type bins without a reduction in grade.

Moistures of 12 to 13%. Crop is generally safe for at least a year of storage, with little loss in germination. In tests the market grade did not go down for more than two years. But check germination before planting seed.

Unsafe

Moistures of 13 to 14%. The market crop can be stored from fall until the following late spring or early summer. If you intend the beans for seed, make germination tests before planting. In research studies, soybeans became musty and graded "sample" after 10 months' storage from January to October. Germination decreased and fat acidity went up.

Moistures of 14 to 15%. In this range you can keep soybeans through late fall and winter with little loss of quality, but serious deterioration begins when the weather warms up. Ordinarily do not use for seed.

Moistures of above 15%. Don't store! Put through a drier first.

HIGH-GRADE SOYBEANS

Have a good natural odor.

Are dry and clean, plump and heavy.

Are not mixed with soybeans of another color.

Do not have many split or damaged beans.



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6-1830

U. S. DEPARTMENT OF AGRICULTURE

USDA agencies with relationship to soybeans.
(Washington 25, D. C., unless otherwise noted.)

AGRONOMIC RESEARCH

AGRICULTURAL RESEARCH SERVICE

Field Crops Research Branch. Forage and Range Section, Herbert W. Johnson, Beltsville, Md.

U. S. Regional Soybean Laboratory, 160 Davenport Hall, Urbana, Ill., J. L. Cartter, director.

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Mader, E. L., Department of Agronomy, Agricultural Experiment Station, Manhattan, Kans.

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Probst, Albert H., Agricultural Experiment Station, Lafayette, Ind.

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**Collaborator without pay.

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**Smith, Paul E., Agricultural Experiment Station, Fayetteville, Ark.

**Smith, R. L., North Florida Agricultural Experiment Station, Quincy, Fla.

**Smith, T. J., Agricultural Experiment Station, Blacksburg, Va.

**Staten, Raymond D., Agricultural Experiment Station, College Station, Tex.

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**Torrie, James H., Dept. of Agronomy, University of Wisconsin, Madison 6, Wis.

Weber, Charles R., Agronomy Bldg., Iowa State College, Ames, Iowa.

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Jones, John P., Delta Branch Experiment Station, Stoneville, Miss.

**Peterson, John E., Agricultural Experiment Station, Columbia, Mo.

Skotland, C. B., Agricultural Experiment Station, Raleigh, N. C.

**Stronbe, William H., Agricultural Experiment Station, Baton Rouge, La.

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U. S. DEPARTMENT OF AGRICULTURE—(Continued)

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Home Economic Research Branch, Ruth O'Brien, chief; Food Economic Section, Faith Clark; Beltsville, Md.

branch, Beltsville; standardization and testing branch, Beltsville. Agricultural Economic Division (Frederick V. Waugh)—statistical and historical research branch (N. M. Koffsky, acting). Agricultural Estimates Division (Crop Reporting Board—Sterling R. Newell). Marketing Research Division (Harry C. Trelogan)—market development branch (R. M. Walsh); transportation and facilities branch (W. C. Crow).

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TERMINOLOGY

Definitions and Product Descriptions for the Soybean Industry

SOYBEAN—The soybean is a legume the botanical name of which is *Glycine max* (L.) Merrill. It has been grown since prehistoric times in China and was first introduced into the United States early in the 19th century. The term "soybean" has been accepted as standard in the U. S. in preference to Oriental and other forms such as: soya bean, soy bean, soya bean and soja bean. It is incorrect to use the word "beans" when referring to soybeans.

SOYBEAN PROCESSOR—A man or firm who makes a business of removing oil from soybeans. The word "processor" has been adopted by the industry in preference to older terms applied to various branches of the vegetable oil milling industry, such as crushers, pressers and millers.

PROCESSES—Three processes are employed in the U. S. in removing soybean oil from soybeans. They are:

1. **Solvent Extraction Process** — A process whereby flaked soybeans are leached or extracted with hexane or homologous hydrocarbon solvents to remove the oil. Ninety-five to ninety-eight percent of the oil in the soybeans is recovered by this process whereas the screw press and the hydraulic processes remove about 75 to 80%. The products are known in the trade as solvent extracted products; for example, solvent extracted soybean oil and solvent extracted soybean oil meal.

2. **Screw Press Process**—A continuous pressing process, at elevated temperatures, which utilizes a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been crushed and properly dried. The term "Expeller" is copyrighted by the V. D. Anderson Co. of Cleveland, Ohio, as applying to the particular type of mechanical screw press which they manufacture. Therefore it is technically incorrect to refer to all screw presses as "Expellers" and to all screw press products as "expeller" products. The French Oil Mill Machinery Co. of Piqua, Ohio, calls their screw press the mechanical screw press.

3. **Hydraulic Process**—An intermittent pressing operation carried out at elevated temperatures in a hydraulic press after the beans have been rolled into flakes and cooked. It is the oldest process employed in the vegetable oil milling industry. It is often referred to as the "old process" and its products such as oil cake and oil meal are often referred to as "old process" products.

SOYBEAN OIL—There are several types of soybean oil which might be broadly classified as follows:

1. **Crude Raw Soybean Oil**—This is sometimes incorrectly referred to as crude soybean oil. This product is the unrefined crude oil of any one of the three processes. It is customary to filter and/or settle the oil after it has come from the process, as the standard trade specifications exact this procedure.

There are three types of crude raw soybean oil:
Crude solvent extracted soybean oil.
Crude screw press soybean oil.
Crude hydraulic pressed soybean oil.

2. **Edible Refined Soybean Oil**—This is soybean oil which has been subjected to special

refined treatment for use in food products. While there are some innovations being introduced the conventional refining procedure for producing edible refined soybean oil is carried out in four steps. They are alkali refining, bleaching, winterizing and deodorizing. Edible refined soybean oils are further classified as salad oils and cooking oils, and are also used in the manufacture of a variety of mayonnaise, relish and sandwich spreads.

3. **Hydrogenated Soybean Oil**—This is a refined soybean oil which has been subjected to hydrogenation. This results in changing the liquid oil to a plastic semi-solid fat. Hydrogenated soybean oil is used in both the edible and technical fields.

4. **Technical Refined Soybean Oil**—for the technical trade—There are a wide variety of oils in this group involving individual or combined processes which according to trade usage or technical requirements may be broadly classified as follows:

- a. Water washed.
- b. Centrifuged, clarified or degummed.
- c. Acid refined.
- d. Alkali refined.
- e. Bleached.
- f. Kettle bodied or polymerized.
- g. Air blown or oxidized.
- h. Sulfonated.
- i. Chlorinated.
- j. Catalytic refined.
- k. Solvent refined: 1. Pittsburgh Plate Glass Co. patented process; 2. M. W. Kellogg Co. patented process (Solexol).
- l. Molecular distilled (Distillation Products Inc. patented process).

SOYBEAN FATTY ACIDS—When the glycerine in soybean oil is split off by any method of hydrolysis, fatty acids are obtained which may be classified as follows according to the subsequent treatment to which they have been subjected:

1. Crude mixed soybean fatty acids.
2. Distilled soybean fatty acids.
3. Fractionally distilled soybean fatty acids (Armour & Co. patented process).
4. Solvent fractionated soybean fatty acids.
5. Low temperature crystallized soybean fatty acids.

SOYBEAN SOAP STOCKS—Soap stock is the byproduct that results from the alkali refining of soybean oil.

1. Soybean soap stock—contract grade should contain not less than 30% total fatty acid.
2. Acidulated soybean soap stock—contract grade should contain not less than 85% total fatty acid.

SOYBEAN LECITHIN—Soybean lecithin as offered to the trade is actually a mixture of lipid materials and consists of lecithin, cephalin, and inositol phosphatides together with glycerides and traces of tocopherols, glucosides and pigments.

The mixture is usually obtained from crude extracted soybean oil by what is known as a degumming process. The carefully filtered crude oil is agitated with hot water and the hydrated and emulsified phosphatides are separated by a centrifuge. The emulsion is then dehydrated by heat and vacuum. The emulsion may also be subjected to additional treatments to produce

TERMINOLOGY—(Continued)

the commercial grades to which the following descriptive terms may be applied:

Plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached.

The two types of lecithin as recognized by the trade are:

1. **Crude Soybean Lecithin**—All grades of soybean lecithin obtained by the above or similar processing methods may be listed as crude soybean lecithins for such purposes as freight tariff classification.

2. **Refined Lecithin**—Refined lecithins are obtained by drying phosphatide mixtures and washing them with acetone to remove any oil or fatty acids originally included in the mixture. The acetone washed product may be finished for sale in two forms, namely:

a. Dry, oil-free lecithin.

b. Lecithin with another oil or fat substituted as a carrier in place of the oil originally found in the phosphatide mixture, e.g., lecithin with cocoa butter carrier.

BREAK MATERIAL—The material that separates from crude oil when it is heated to 500° F. It is mainly phosphatides and mucilaginous materials and their decomposition products.

SLUDGE—Sludge is the solid residue which cannot be pumped or squeezed from the car or tank.

SOYBEAN FEEDS—Standard definitions adopted by the American Feed Control Officials, Inc., and the National Soybean Processors Association.

1. **Ground Soybeans** is the product obtained by grinding whole soybeans without cooking or removing any of the oil. (Adopted 1933.)

2. **Soybean Mill Feed** is the byproduct resulting from the manufacture of soybean flour or grits and is composed of soybean hulls and the offal from the tail of the mill. (Adopted 1944.)

3. **Soybean Hay Meal** is the product obtained from the grinding of the entire soybean hay, without the addition of any stems, straw, or foreign material, or the abstraction of leaves or beans. It shall be reasonably free from other crop plants and weeds and shall contain not more than 1% of crude fibre. (Adopted 1944.)

4. **Soybean Hulls** is the product consisting of the outer covering of the soybean. (Adopted 1948.)

5. **Solvent Extracted Soybean Feed** is the material resulting from the partial removal of protein and nitrogen-free extract from solvent extracted soybean oil meal. It shall be designated and sold according to its protein content. (Adopted 1948.)

6. **Expeller Soybean Oil Chips** is the product obtained after expressing part of the oil from soybeans by crushing, cooking and mechanical pressure using an expeller, screw press, or any other mechanical press. It shall be designated and sold according to its protein content. (Adopted 1948.)

7. **Expeller Soybean Oil Meal** is the product resulting from grinding expeller soybean oil chips. It shall be designated and sold according to its protein content. (Adopted 1948.)

8. **Hydraulic Soybean Oil Cake** is the product obtained after expressing part of the oil from soybeans by crushing, cooking, and hydraulic



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The world's largest self-contained drier is an Aeroglidge installation for soybeans.

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At left: Aeroglidge Drier at Ralston-Purina's new Harrisburg, Pa. mill

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TERMINOLOGY—(Continued)

pressure. It shall be designated and sold according to its protein content. (Adopted 1948.)

9. **Hydraulic Soybean Oil Meal** is the product resulting from grinding hydraulic soybean oil cake. It shall be designated and sold according to its protein content. (Adopted 1948.)

10. **Solvent Extracted Soybean Flakes** is the product obtained after extracting most of the oil from soybeans by cracking, heating, flaking and the use of solvents. After extraction of the oil the product is cooked. It shall be designated and sold according to its protein content. (Adopted 1953.)

11. **Solvent Extracted Soybean Oil Meal** is the product resulting from grinding Solvent Extracted Soybean Flakes. It shall be designated and sold according to its protein content. (Adopted 1948.)

12. **Dehulled Solvent Extracted Soybean Flakes** is the product obtained after extracting most of the oil from dehulled soybeans by cracking, heating, flaking and the use of solvents. After extraction of the oil the product is cooked. It shall contain not more than 3% crude fiber and shall be designated and sold according to its protein content. (Adopted 1953.)

13. **Dehulled Solvent Extracted Soybean Oil Meal** is the product resulting from grinding dehulled solvent extracted soybean flakes. It shall contain not more than 3% crude fiber and shall be designated and sold according to its protein content. (Adopted 1953.)

14. **Soybean Cubes or Soybean Pellets** consist of soybean oil meal which has been processed through a cubing or pelleting machine. The product shall be firm but not flinty, of sweet odor and free from mold. It must be designated and sold according to its protein content and its name must include one of the terms "hydraulic", "expeller", or "solvent extracted" to specify the method of manufacture of the source material. (Adopted 1951.)

FEEDS—Standard specifications of the National Soybean Processors Association.

1. **Soybean Flakes and 44% Protein Soybean Oil Meal**—Produced by conditioning ground soybeans and reducing the oil content of the conditioned product by the use of solvents to 1% or less on a commercial basis. Standard specifications are as follows:

Protein	Minimum 44.0%
Fat	Minimum 0.5%
Fiber	Maximum 7.0%
N.F.E.	Minimum 27.0%
Moisture (when shipped by seller)	Maximum 12.0%

2. **Soybean Chips, Soybean Oil Cake, and 41% Protein Soybean Oil Meal**—Produced by cooking

ground soybeans and reducing the oil content of the cooked product by pressure to 6% or less on a commercial basis. Standard specifications are as follows:

Protein	Minimum 41.0%
Fat	Minimum 1.5%
Fiber	Maximum 7.0%
N.F.E.	Minimum 27.0%
Moisture (when shipped by seller)	Maximum 12.0%

SOY FLOUR—There are three types of soy flour, as follows:

1. **Full-Fat Soy Flour**—As it is not processed for oil extraction, it contains all of the fat originally found in the soybean, or over 30% Higher in calorie content than the low-fat or defatted types.

2. **Low-Fat Soy Flour**—Made by a continuous mechanical pressing method in which the greater part of the oil is removed.

3. **Defatted Soy Flour**—Made by solvent extraction process. Contains less than 2% fat. Protein content of this type ranges up to 53%.

SOY FLAKES—Produced by the solvent extraction process. The particle size can be varied within production limits to meet specifications and trade demands.

SOY MEATS AND GRITS—Meats correspond to full-fat soy flour and grits to low-fat flour or defatted flour, except that they are coarsely, not finely ground.

SOYBEAN PROTEINS

1. **Soybean Protein Flakes**—Full fiber soybean flakes freed of oil by solvent extraction and dried by processes which denature the protein to a minimum extent so that a high percentage of it remains soluble or dispersible in water. The flakes are usually ground to fine particle size before being used.

2. **Mechanically Refined Soybean Protein Flakes**—Flakes processed in the same manner as soybean protein flakes except that hulls are removed and the fiber content reduced by mechanical means.

3. **Isolated Soybean Protein**—Obtained by treating soybean protein flakes chemically so as to remove cellulose, sugar and other non-protein ingredients. Used in water emulsion paints and paper coatings.

4. **Soy Albumins**—Water dispersible soybean protein modified for use in whipping compounds or as aerating agents. Used in meringues, marshmallows and other confections.

5. **Gelsoy**—Developed by the Northern Utilization Research Branch of the U. S. Department of Agriculture. Obtained by washing soybean protein flakes with alcohol and extracting the protein with water. Besides having good whipping characteristics Gelsoy forms gels which are irreversible after being heated.

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for late and important events in the soybean industry. Published 32 times a year, 20 times outside the Soybean Digest.

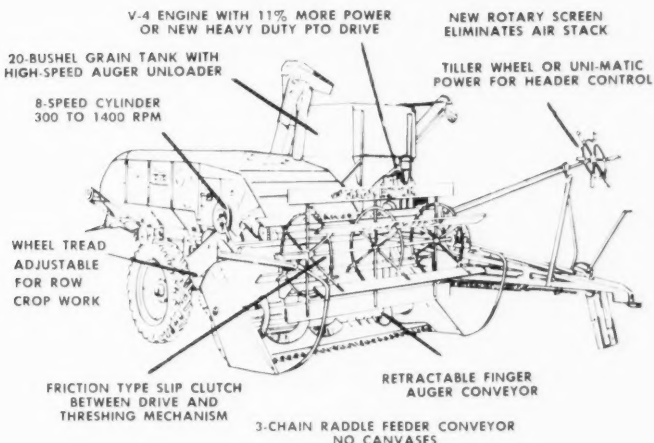
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AMERICAN SOYBEAN ASSOCIATION - HUDSON, IOWA



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In grain, bean, or seed crops, the Minneapolis-Moline Harvester 88 leaves a clean field behind you . . . puts top yields in the grain tank. Header travels as low as 2 inches to pick up down grain, as high as 24 inches. Cuts a full 88-inch swath. Rasp-bar cylinder and all-steel, one-piece welded concave and grate thresh with a thorough, gentle *rubbing-action*. Wheel tread is adjustable 16 inches to handle row crops *planted any width*. Adjustment intervals are spaced 4 inches apart.

Spring-loaded, floating raddle takes the grain as it grows . . . even out heavy stands . . . feeds the cylinder at a smooth, steady rate. You get better threshing and separation, cover far more acres per day. With 88-inch cut header or windrow pickup.

Ask your MM Dealer about the new rock-trap concaves with one-lever adjustment

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Minneapolis, Minnesota

WEIGHTS AND MEASURES

SOYBEANS

1 bu. 60 lbs. (legal weight)
(Minimum test weight grade No. 1, 56 lbs.;
minimum test weight, grade No. 2, 54 lbs.)
1 cu. ft. 45 lbs.
(Figured at 56 lbs. test weight)

SOYBEAN OIL

1 cu. ft. 56.84 to 57.97 lbs.
Figures supplied by different processors of
soybeans. Density of soybean oil varies slightly
with different lots and considerably with temp-
erature. It is reported to range from 0.922 to 0.934
gram per cc. at 49° F., and from 0.915 to 0.920 at
77° F.

One firm reports the following pound-per-cubic-
foot weights of soybean oil at various tem-
peratures:

60° F.	57.62
70° F.	57.39
100° F.	56.73

Another supplies the following figures:

1 gal. at 60° F. (average)	7.695 lbs.
Specific heat at 185° F.	0.579 cal./gm./° C. or 0.579 B.T.U./lb./° F.
Viscosity at 25° C.	51.0 centipoises
Coefficient of expansion (approx.)	.00038

SOYBEAN LECITHIN

1 cu. ft. 65.82 lbs.

SOYBEAN OIL MEAL

Expeller, 41%

1 cu. ft. 38 lbs.

Solvent Extracted, 44%

1 cu. ft. 36 to 38 lbs.

Above figures are given by most processors
quoted. However one processor lists both 41%
and 44% soybean oil meal as weighing 41.12
pounds per cubic foot. Meals of higher protein
content generally weigh above 40 pounds per
cubic foot. Bulk density of soybean oil meals
varies according to particle size and moisture
content, percentage of hulls, amount of vibra-
tion to which container is subjected during
filling, temperature, granulation and age of
sample.

One processor supplies the following figures:

Fresh production 110° F.	38.3 lbs. per cu. ft.
After quick cooling to 80° F.	40.7 lbs.
After 24 hrs. cooling to 45° F.	41.5 lbs.

SOYBEAN PELLETS

44%, 14 in. to 18 in.

1 cu. ft. 41.12 lbs.

44%, 1 in.

1 cu. ft. 38.55 lbs.

SOY FLOUR, DEFATTED

1 cu. ft. 30.84 lbs.

Figures for soybean pellets and soy flour are
from one processor only.

SOYBEAN PROCESSORS—SINCE 1924

EXPERIENCE!

**Soybean
Oil**

**Funk's
44% Protein
Solvent Extracted
Soybean Oil
Meal**

SERVICE!

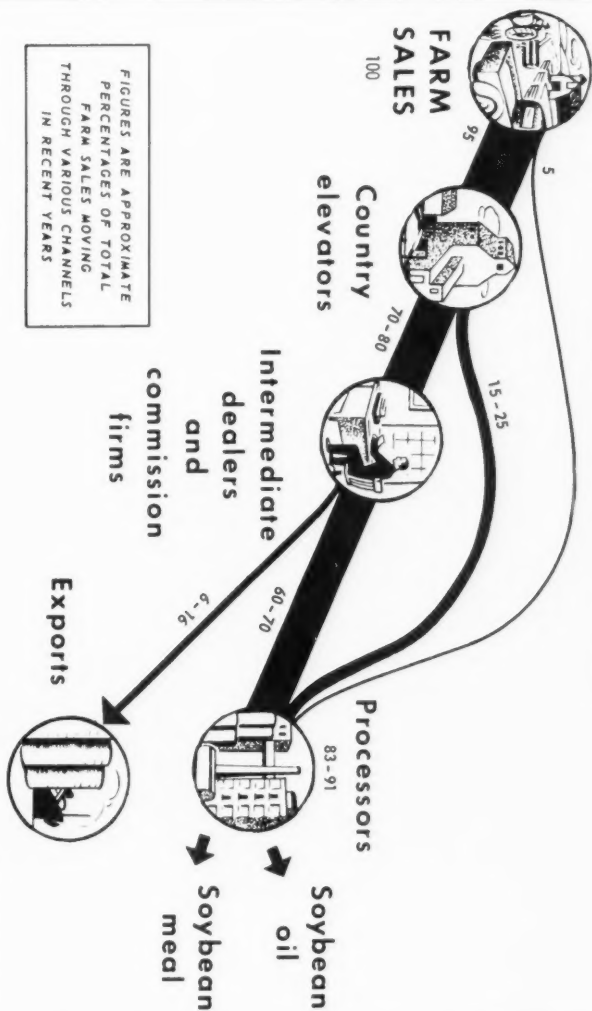
QUALITY!

**Certified
Soybeans
For Seed**

FUNK BROS. SEED CO.

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MARKETING CHANNELS FOR SOYBEANS



FIGURES ARE APPROXIMATE
PERCENTAGES OF TOTAL
FARM SALES MOVING
THROUGH VARIOUS CHANNELS
IN RECENT YEARS

U. S. DEPARTMENT OF AGRICULTURE

AGRICULTURAL MARKETING SERVICE

SOYBEAN PRODUCTION—UNITED STATES

SOYBEANS: ACREAGE, YIELD AND PRODUCTION IN THE UNITED STATES, 1924-55

Year	Grown Alone	Acres Planted—		Acres For Beans†	Harv. For Hay	Grazed or Plowed Under	Average Yield		Total Prod.	
		Inter- planted*	Equivalent Solid†				Per Acre For Beans	Yield Harv. For Hay	For Beans Thous.	For Hay Thous.
—Thousand Acres—		—Thousand Acres—		Bushels	Tons	Bushels	Tons			
1924	1567	417	1782	448	1147	187	11.0	1.13	4947	1299
25	1539	476	1785	415	1175	195	11.7	1.01	4875	1185
26	1871	502	2127	466	1431	230	11.2	1.18	5239	1687
27	2057	571	2350	568	1556	226	12.2	1.18	6938	1837
28	2154	556	2439	579	1609	251	13.6	1.23	7880	1974
29	2429	743	2807	708	1774	325	13.3	1.16	9438	2051
1930	3072	786	3473	1074	2062	337	13.0	.94	13929	1938
31	3835	909	4304	1141	2772	391	15.1	1.26	17260	3479
32	3704	893	4165	1001	2738	426	15.1	1.25	15158	3433
33	3537	813	3957	1044	2506	407	14.9	1.16	13509	2947
34	3764	858	6207	1556	4227	424	14.9	1.08	23157	4545
35	6966	1028	7503	2915	4044	544	16.8	1.34	48901	5422
36	6127	2115	7183	2359	3116	1708	14.3	.96	33721	3002
37	6332	2261	7464	2586	3469	1409	17.9	1.36	46164	4731
38	7318	2541	8587	3035	3734	1828	20.4	1.43	61906	5335
39	9565	2710	10920	4315	4590	2015	20.9	1.48	90141	6772
1940	10487	2589	11782	4807	4819	2156	16.2	1.34	78045	6450
41	10068	2555	11345	5889	3546	1910	18.2	1.30	107197	4616
42	13696	2426	14912	9894	2621	2397	19.0	1.36	187524	3555
43	14191	2475	15428	10397	3177	1854	18.3	1.21	190133	3837
44	13118	1861	14050	10245	2577	1228	18.8	1.18	192121	3040
45	13056	1505	13807	10740	1940	1127	18.0	1.26	193167	2451
46	11706	1458	12434	9912	1499	1003	20.5	1.28	203395	1912
47	13052	1408	13755	11411	1292	1052	16.3	1.22	186451	1574
48	11987	1259	12617	10682	1111	824	21.3	1.30	227217	1446
49	11872	1165	12456	10482	1130	844	22.3	1.32	234194	1488
1950	15129	1228	15244	13814	1047	883	21.7	1.31	299279	1367
51	15190	1088	15735	13545	973	1217	20.9	1.25	282477	1216
52	15927	984	16420	14338	1191	891	20.8	1.10	298052	1310
53	16367	851	16792	14679	1163	950	18.3	1.09	268528	1268
54	18618	995	19115	16971	1041	1103	20.1	1.04	341565	1086
1955‡	19669	928	20132	18559	811	762	20.0	1.26	371276	1019

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN ACREAGE, YIELD AND PRODUCTION IN THE U. S., BY STATES, 1955*

State	—Acres Planted—			Acres For Beans†	Harv.— For Hay	Grazed or Plowed Under	Average Yield		Total Prod.	
	Grown Alone	Inter- planted	Equivalent Solid**				Per Acre For Beans	Per Acre Harv. For Hay	For Beans Thous.	For Hay Thous.
	—Thousand Acres—						—Thousand Acres—		Bushels	Tons
N.Y.	7		7	5	2	15.0			80	
N.J.	41	43	28	6	9	19.5	1.50		546	9
Pa.	48		17	17	14	19.0	1.65		323	28
Ohio	1252	1252	1229	10	13	35.0	1.35		30725	16
Ind.	2102	2102	2028	53	21	21.5	1.40		43602	74
Ill.	4432	4432	4370	40	22	23.0	1.20		100510	48
Mich.	152	152	145	2	5	23.0	1.50		3335	3
Wis.	100	100	82	11	7	12.5	1.45		1025	16
Minn.	2351	2351	2316	7	28	19.5	1.40		45162	10
Iowa	2170	2170	2146	11	13	19.0	1.40		40774	15
Mo.	1987	36	2005	1953	26	26	18.0	1.10	35154	29
N.D.	80		80	78	2	15.5			1209	
S.D.	259		259	251	8	11.0			2761	
Nebr.	200		200	180	20	10.0			1800	
Kans.	374		374	340	4	30	10.0	1.00	3400	4
Del.	86		86	78	6	2	19.0	1.30	1482	8
Md.	141		141	116	21	4	20.0	1.50	2320	32
Va.	232	46	255	193	36	26	20.0	1.25	3860	45
W.Va.	7		7	6	1	15.0			9	
N.C.	467	141	537	349	121	67	14.5	1.15	5060	139
S.C.	190	114	247	173	33	41	15.0	1.10	2595	46
Ga.	95	88	139	57	40	42	12.0	1.05	684	42
Fla.	40		40	36	4	22.0			792	
Ky.	200	16	208	132	60	16	18.0	1.45	2376	87
Tenn.	322	112	378	226	91	61	18.0	1.40	4068	127
Ala.	165	6	168	105	60	3	22.0	.95	2310	57
Miss.	752	40	772	656	77	39	19.0	1.35	12464	104
Ark.	1205	84	1247	1166	62	19	18.0	1.10	20988	68
La.	154	245	276	64	6	206	22.0	1.35	1408	8
Okla.	50		50	38	4	8	11.5	1.00	437	4
Tex.	6		6	2	1	3	13.0	.90	26	1
U.S.	19669	928	20132	18559	811	762	20.0	1.26	371276	1019

*Preliminary. **Acreage grown alone, plus one-half the interplanted acreage. †Equivalent solid acreage. (Acreage grown alone, with an allowance for acreage grown with other crops.)

SOYBEAN PRODUCTION—(Continued)

SOYBEANS: SUPPLY AND UTILIZATION IN THE UNITED STATES, 1924-1955

Year Beginning Oct. 1	Total Stocks Oct. 1*	Supply			Utilization					Carry- over Sept. 30. 7*
		Produc- tion**	Imports for Con- sump- tion	Total Supply†	Seed	Feed‡	Processed for Oil and Meal	Exports§	Other Uses¶	
1,000 BUSHELS										
1924-25	5	4,947	60	5,012	1,900	1,207	307		1,596	2
1925-26	2	4,875	71	4,948	2,289	1,174	351		1,134	8*
1926-27	8*	5,239	67	5,306	2,525	1,311	335		1,133	2
1927-28	2	6,938	70	7,010	2,687	1,631	559		2,133	8*
1928-29	8*	7,880	77	7,957	2,984	1,473	882		2,548	70
1929-30	70	9,438	64	9,572	3,762	1,730	1,666		2,298	116
1930-31	116	13,929	54	14,099	4,724	2,763	4,069		2,049	494
1931-32	494	17,269	49	17,803	4,633	2,867	4,725	2,161	3,295	122
1932-33	122	15,158	13	15,293	4,490	2,264	3,470	2,450	2,561	58
1933-34	58	15,599	6	15,571	7,615	2,111	3,054		767	26
1934-35	26	21,157	5	21,188	10,066	2,036	9,105	19	1,643	319
1935-36	319	48,901	4	49,224	8,875	3,898	25,181	3,490	7,419	361
1936-37	361	33,721	17	34,099	9,539	2,741	20,618	19	889	293
1937-38	293	46,164	3	46,460	10,947	3,273	30,310	1,392	198	340
1938-39	340	61,906	3	62,249	14,667	4,554	44,648	4,424	—7,009	965
1939-40	965	90,141	2	91,108	15,974	5,365	56,684	10,979	1,713	393
1940-41	393	78,045	1	78,439	15,141	4,999	64,056	284	—6,731	690
1941-42	690	107,197	8*	107,887	20,385	3,925	77,151	489	—72	6,009
1942-43	6,009	187,534	8*	193,533	20,980	6,016	133,454	917	19,629	12,537
1943-44	12,537	190,133	8*	202,670	19,758	5,496	142,306	962	19,995	14,153
1944-45	14,153	192,121	4	206,278	18,911	3,529	153,402	5,990	17,607	7,739
1945-46	7,739	193,167	8*	200,966	16,745	3,727	159,460	2,858	13,760	4,356
1946-47	4,356	203,395	8*	207,751	17,455	2,638	170,245	3,880	8,140	5,393
1947-48	5,393	186,451	8*	191,844	16,066	2,503	161,397	2,972	6,289	2,617
1948-49	2,617	227,217	7	229,841	15,945	2,805	183,664	23,015	1,231	3,181
1949-50	3,181	234,194	4	237,379	19,021	2,506	195,265	13,142	4,538	2,907
1950-51	2,907	269,279	2	302,188	18,225	2,530	251,990	27,833	—2,549	4,159
1951-52	4,159	282,477	1	286,637	19,539	2,027	244,380	17,046	70	3,575
1952-53	3,575	298,052	2	301,629	20,539	1,852	234,404	31,968	2,789	10,137
1953-54	10,137	268,528	19	278,684	23,368	1,397	213,156	39,663	—236	1,336
1954-55	1,336	341,565	1	342,902	25,071	1,755	249,069	60,149	—3,089	10,007
1955-56	10,007	371,276								

*Factory and warehouse stocks only, through Oct. 1, 1941; total stocks, Oct. 1, 1942 and subsequently.
 **Crop of year listed first, e.g., the 1924 crop was 4,947,000 bushels. †Sum of stocks, production and imports. The "total supply" figures for years previous to 1942-43 are incomplete to the extent that they do not include stocks on farms, in country elevators, and at terminal markets. (Such stocks were not reported previous to Oct. 1, 1942.) Figures are not adjusted for new crop soybeans used in September. ‡Fed to livestock on farms where produced. §Data not available for years previous to 1931-32. Includes shipments to U. S. territories, 1937-38 through 1950-51. ¶Residual item. This includes soybeans fed to livestock other than on farms where the soybeans were produced. It may also include small quantities used for human food. Prior to 1931-32 it includes exports. Prior to 1937-38 it includes shipments to U. S. territories. The minus quantities shown for some years are explainable largely by unreported stocks (prior to Oct. 1942) and by the use of new crop soybeans in September of year of production. * Factory and warehouse stocks only, through September 30, 1941; total stocks, Sept. 30, 1942 and subsequently. † Less than 500 bushels. ‡ Preliminary. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

VALUE OF U. S. SOYBEAN CROP

SOYBEANS FOR BEANS: Value of Production, United States and specified states, 1925-55

Year	U.S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota
Thousands of Dollars							
1925	11,430	3,077	260	872	571	905	—
1930	19,058	8,225	1,350	2,495	651	1,584	—
1935	35,565	18,983	4,510	4,879	1,771	1,140	76
1940	70,224	29,675	12,478	8,929	8,168	1,601	779
1941	166,042	77,411	24,341	21,337	20,336	3,462	1,752
1942	301,137	108,830	56,013	42,472	38,073	11,304	5,288
1943	345,032	129,881	65,743	46,461	45,851	15,714	5,929
1944	393,893	151,486	79,485	51,685	44,629	21,457	8,088
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860
1946	522,140	196,610	94,707	66,048	40,310	36,618	28,417
1947	621,477	221,869	98,995	92,594	59,404	31,680	48,096
1948	516,069	184,336	79,529	72,862	42,812	36,093	35,804
1949	506,474	183,561	69,345	72,518	45,360	39,623	29,797
1950	737,822	238,383	112,094	89,208	62,539	64,790	44,129
1951	769,926	263,538	88,918	104,791	59,156	69,402	50,513
1952	809,514	247,932	104,676	107,576	56,043	88,769	57,496
1953	731,721	219,972	103,672	101,375	59,466	68,431	76,164
1954	841,672	224,466	135,331	113,936	73,379	69,125	98,968
1955*	779,165	216,096	85,625	94,564	64,522	73,823	92,582

* Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

CANADIAN PRODUCTION

PRODUCTION OF SOYBEANS IN CANADA 1942-55

Acreage, Yield and Total Production			
Year	Acreage Acres	Yield per Acre Bushels	Production Bushels
1942	44,000	21.0	925,000
1943	35,550	16.0	569,100
1944	36,200	18.8	681,820
1945	46,200	18.3	844,000
1946	59,200	18.1	1,072,000
1947	61,000	18.2	1,110,000
1948	94,000	19.4	1,824,000
1949	103,800	25.1	2,605,000
1950	142,000	23.4	3,323,000
1951	155,000	24.8	3,843,000
1952	172,000	24.0	4,128,000
1953	216,000	20.4	4,406,000
1954	254,000	19.5	4,953,000
1955	214,000	26.4	5,650,000

PRODUCTION OF SOYBEAN OIL AND OILCAKE IN CANADA

Crop Year	Soybeans Crushed Bushels	Oil Produced Tons	Oilcake and Meal Produced Tons
1943-44	241,315	1,078	6,308
1944-45	889,283	3,875	21,064
1945-46	1,541,869	7,333	36,439
1946-47	2,277,304	11,362	52,596
1947-48	2,300,743	12,276	54,343
1948-49	3,901,831	19,832	89,002
1949-50	4,958,799	25,237	116,845
1950-51	7,393,274	36,338	176,343
1951-52	7,059,102	35,161	169,762
1952-53	8,406,128	43,963	200,725
1953-54	8,847,753	46,695	213,169
1954-55	10,211,458	52,559	241,465

Source of data: Dominion Bureau of Statistics

SOYBEAN PRODUCTION, UTILIZATION AND VALUE CANADA

Year Beginning August 1	Production*	Imports	Supplies	Exports of Beans	Farm Value of Production	Processed for Oil and Meal	Soybean Oil Produced	Soybean Oilcake Produced
	000 bu.	000 bu.	000 bu.		\$ 000	000 bu.	000 lb.	Short Tons
1936	248	7	255		N. A.	N. A.	N. A.	N. A.
1937	159	44	203		N. A.	N. A.	N. A.	N. A.
1938	204	109	313		N. A.	N. A.	N. A.	N. A.
1939	215	136	351		N. A.	N. A.	N. A.	N. A.
1940	233	27	260		N. A.	N. A.	N. A.	N. A.
1941	217	46	263		N. A.	N. A.	N. A.	N. A.
1942	872	35	907		1,509	N. A.	N. A.	N. A.
1943	570*	168	738		1,926	241	2,156	6,308
1944	681*	476	1,157		1,362	889	7,751	21,064
1945	844*	1,245	2,089		1,604	1,542	14,666	36,439
1946	1,072	1,786	2,858		2,370	2,277	22,723	52,596
1947	1,110	1,075	2,185		3,397	2,301	24,472	54,343
1948	1,824	2,066	3,890		4,195	3,902	39,664	89,002
1949	2,605	2,837	5,442		5,887	4,959	50,474	116,845
1950	3,323	4,723	8,046		8,474	7,393	72,676	176,343
1951	3,844	4,229	8,073		10,571	7,059	70,325	169,762
1952	4,128	2,230	6,358		10,526	8,406	87,926	200,725
1953	4,406	4,948	9,354	568	10,795	8,838	93,390	213,169
1954	4,953	7,683	13,636	905	11,887	10,211	105,118	241,465
1955	5,650							

* With the exception of the period 1943-45 when small quantities were grown in Manitoba and British Columbia, the production of soybeans in Canada has taken place in the province of Ontario.

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WORLD SOYBEAN PRODUCTION

SOYBEANS: Acreage, yield per acre, and production in specified countries and the world, averages 1935-39 and 1945-49, annual 1951-1955 1)

Continent and Country	Acreage 2)					Yield per acre					Production				
	Average		Average		1953	Average		Average		Average		Production			
	1935-39	1945-49	1935-39	1945-49		1935-39	1945-49	1935-39	1945-49	1953	1954	1955 3)			
	Acres	Acres	Acres	Acres	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.
NORTH AMERICA	1,000	1,000	1,000	1,000							1,000	1,000	1,000	1,000	1,000
Canada 4)	10	73	216	334	21.1	20.5	20.4	19.5	26.0	4)	202	1,491	4,496	4,953	5,650
United States 5)	3,042	10,649	14,679	16,071	18.5	19.6	18.3	20.1	20.0	56,167	208,885	208,528	341,568	371,276	471,276
EUROPE															
Italy 6)	5	15	4	1	12.1	17.8	25.4	24.4		4)	1			24	
Yugoslavia	5	15	1		14.9	10.1				7)	1	155	25	35	
Other Europe	93	70	100	90						1,067	435		580	520	
U.S.S.R.															
European Russia and Asia 7)	607									2)	5,805				
ASIA															
Turkey 7)	1	4	10	12	20.0	10.9	12.6	11.9		52	45		125	147	
China	12,411	11,256			16.7	16.9				207,666	190,238	198,000		330,000	
Manchuria	8,992	7,048	8,300		16.8	16.5	16.3			181,294	410,475	114,000		15,000	
Indochina 8)	880	873	1,161		10.0	11.2	9.3	12.8		9,731	7,736	10,850		13,816	
Japan	797	612	1,041	1,082	18.6	12.1	15.1	8.8	18.0	17,658	7,432	15,772		18,290	
Korea 9)	4)	1,921	581	657	10.0	8.5	8.1	8.8		4,084	17,654	4,995		5,628	
Taiwan															
Formosa 10)	4)	17	62		8.9	9.4	9.3		11.4	4)	151	207	640	845	
Thailand 4)	15	4)	54		15.4	10.1		13.9		210	4)	167	743		
SOUTH AMERICA															
Brazil 10)	23	148	162	162	19.0	21.9	25.0	21.6			46	3,242	4,042	3,674	
AFRICA															
Tanganyika															
Union of South Africa	4)	10	8		5.2	8.2				4)	54	68	25		
Total excluding U.S.S.R. and Chinese Manchuria	5,670	12,960	18,110	20,860						87,185	244,405	310,410	387,345	421,745	
World Total 11)	20,000	33,675	50,660	42,700						463,720	551,540	651,250	716,125	760,535	

1) Years shown refer to years of harvest. Southern Hemisphere crops which are harvested in the early part of the year are combined with those of the Northern Hemisphere harvested the latter part of the same year. 2) Figures refer to harvested areas as far as possible. 3) Preliminary. 4) Acreage of less than 5 years. 5) Acreage harvested for beans. 6) Less than 500 acres. 7) One year only. 8) Java and Madura only. 9) Beginning with 1948 figures represent South Korea only. 10) Rio Grande do Sul and Sao Paulo. 11) Includes estimates for the above countries for which data are not available and for minor producing countries. Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, reports of agricultural attaches and other United States representatives abroad, results of their research, or other information. Prewar estimates for countries having changed boundaries have been adjusted to conform to present boundaries, except as noted.

SOYBEAN PRODUCTION

SOYBEANS: Acreage, Yield and Production 1924-55 by States

Alabama

Year	Acres Grown Alone	Acres Planted— Inter- Equivalent Solid†	Acres Harv. For Beans†	Harv. For Hay	Grazed or Plowed Under	Average Per Acre For Beans	Yield Per Acre Harv. For Hay	Total For Beans Thous.	Prod. For Hay Thous.
	Thousand Acres		Thousand Acres			Bushels	Tons	Bushels	Tons
1924	95	25	107	3	81	23	6.5	80	20
1925	115	23	127	3	96	28	7.0	90	21
1930	150	14	157	8	129	20	5.0	80	40
1935	183	28	197	11	163	23	5.5	90	60
1940	275	37	294	11	238	45	6.5	90	72
1945	238	20	248	29	186	33	12.0	90	348
1950	150	10	155	73	68	14	19.0	100	1387
51	166	8	170	88	66	16	18.0	90	1584
52	166	7	170	92	68	10	19.0	80	1748
53	149	6	152	92	53	7	20.5	90	1886
54	165	7	169	104	54	11	11.5	75	1196
55§	165	6	168	105	60	3	22.0	95	2310

Arkansas

1924	24	27	38	3	24	11	6.5	110	20
1925	12	35	50	4	36	10	6.0	90	24
1930	76	51	102	9	76	17	7.5	75	68
1935	116	90	161	27	104	30	11.5	95	310
1940	205	413	411	63	163	185	12.0	1.25	756
1945	342	177	430	209	119	102	16.0	1.15	3344
1950	646	176	734	581	80	73	21.5	1.20	12492
51	685	111	741	607	74	60	20.0	1.15	12140
52	952	88	996	866	100	30	16.0	90	13856
53	800	62	811	665	108	58	11.0	85	7315
54	980	90	1025	902	90	33	11.5	80	10373
55§	1205	84	1247	1166	62	19	18.0	1.10	20988

Delaware

1924	18	18	12	6			11.0	1.00	132	6
1925	18	18	11	7			15.0	1.10	165	8
1930	25	25	15	10			6.0	1.15	90	12
1935	27	27	16	11			13.0	1.30	208	14
1940	48	48	25	16	7		12.0	1.20	300	19
1945	58	58	41	14	3		14.0	1.35	574	19
1950	74	74	63	8	3		14.0	1.30	882	10
51	69	69	61	6	2		14.5	1.30	884	8
52	67	67	58	7	2		17.0	1.35	986	9
53	72	72	64	6	2		16.5	1.25	1056	8
54	78	78	68	8	2		17.5	1.20	1190	10
55§	86	86	78	6	2		19.0	1.30	1482	8

Georgia

1924	40	28	54	10	25	19	5.5	80	55	20
1925	49	42	70	12	33	25	6.5	40	78	13
1930	56	26	69	10	50	9	5.5	82	55	44
1935	50	33	66	7	48	11	6.0	1.00	42	48
1940	100	120	160	13	90	57	7.0	95	91	86
1945	60	37	78	6	43	29	9.0	95	54	41
1950	78	58	107	26	28	53	11.0	95	286	27
51	86	55	114	21	30	63	10.5	90	220	27
52	90	76	128	36	36	56	10.5	95	378	34
53	100	74	137	45	41	51	12.0	1.00	540	41
54	100	100	150	29	44	77	7.0	75	203	33
55§	95	88	139	57	40	42	12.0	1.05	684	42

Illinois

1924	315	315	115	200			12.0	1.30	1380	260
1925	290	290	106	184			13.5	1.25	1431	230
1930	720	720	410	310			17.0	1.30	6970	372
1935	2431	2431	1509	849	73		18.5	1.45	27916	1231
1940	3011	3011	1995	748	268		17.5	1.25	34912	935
1945	4079	4079	3760	279	40		20.0	1.20	75300	335
1950	4108	4108	3989	94	25		24.0	1.30	95736	122
51	3841	3841	3731	72	38		25.5	1.40	95140	101
52	3840	3830	3716	95	19		24.0	1.10	89184	104
53	3983	3983	3846	104	33		20.5	1.10	78843	114
54	4262	4262	4143	85	34		21.5	1.10	89074	94
55§	4432	4432	4370	40	22		23.0	1.20	100510	48

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

SOYBEANS: Acreage, Yield and Production 1924-55 by States

Indiana

Year	Acres Planted Grown Alone	Inter- planted*	Equivalent Solid†	Acres For Beans‡	Harv. For Hay	Grazed or Plowed Under	Average Per Acre For Beans	Yield Harv. For Hay	Total For Beans Thous.	Prod. For Hay Thous.
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels	Tons
1924	204	—	204	66	109	29	9.9	1.22	653	133
1925	148	—	148	40	93	15	10.0	1.25	400	116
1930	443	—	443	151	248	44	14.0	1.10	2114	273
1935	850	—	850	410	391	49	17.0	1.45	6970	567
1940	1418	—	1418	723	548	147	13.0	1.00	9399	548
1945	1703	—	1703	1466	208	29	19.5	1.45	28587	302
1950	1765	—	1765	1652	88	25	22.5	1.45	37170	128
51	1800	—	1800	1706	72	22	22.5	1.45	38385	104
52	1782	—	1782	1683	77	22	23.5	1.35	39550	104
53	1889	—	1889	1808	62	19	21.0	1.25	37968	78
54	2002	—	2002	1922	60	20	24.0	1.30	46128	78
55§	2102	—	2102	2028	53	21	21.5	1.40	43692	74

Iowa

1924	23	—	23	10	13	—	12.0	1.50	120	20
1925	18	—	18	7	11	—	14.0	1.40	98	15
1930	124	—	124	66	57	1	15.5	1.30	1023	74
1935	1200	—	1200	408	757	35	16.5	1.50	6732	1136
1940	1481	—	1481	709	707	65	20.0	1.70	14180	1202
1945	1973	—	1973	1910	45	18	18.5	1.45	35335	65
1950	1960	—	1960	1930	18	12	22.0	1.60	42460	29
51	1638	—	1638	1583	12	43	20.5	1.40	32452	17
52	1540	—	1540	1526	7	7	25.5	1.75	38913	12
53	1679	—	1679	1657	12	10	21.5	1.50	35626	18
54	2149	—	2149	2119	10	20	26.5	1.40	56154	14
55§	2170	—	2170	2146	11	13	19.0	1.40	40774	15

Kansas

1924	11	—	11	2	9	—	11.0	1.30	22	12
1925	12	—	12	4	8	—	10.0	1.30	40	10
1930	27	—	27	7	20	—	7.5	1.10	52	22
1935	38	—	38	7	29	2	6.5	1.10	46	32
1940	78	—	78	26	43	9	12.0	1.55	312	67
1945	258	—	258	235	10	13	10.0	1.20	2350	12
1950	409	—	409	397	4	8	18.0	1.40	7146	6
51	495	—	495	401	5	89	14.5	1.45	5814	7
52	703	—	703	640	35	24	11.5	1.05	7360	37
53	598	—	598	496	48	54	8.0	.90	3968	43
54	425	—	425	306	13	106	8.0	.70	2448	9
55§	374	—	374	340	4	30	10.0	1.00	3400	4

Kentucky

1924	40	10	45	6	30	6	9.5	1.10	86	33
1925	50	12	56	8	43	5	8.5	1.10	68	47
1930	110	8	114	9	88	17	7.5	.75	68	66
1935	100	11	106	8	86	12	10.0	1.35	80	116
1940	180	27	194	31	130	33	13.0	1.30	403	169
1945	169	28	183	60	101	22	16.0	1.40	960	141
1950	202	18	211	126	66	19	17.5	1.45	2205	96
51	212	16	220	130	70	19	19.0	1.40	2470	98
52	220	14	227	110	94	18	15.5	1.20	1705	115
53	200	14	207	96	91	20	13.0	1.30	1248	118
54	204	20	214	128	71	15	16.0	1.35	2048	96
55§	200	16	208	132	60	16	18.0	1.45	2376	87

Louisiana

1924	10	70	45	8	32	5	8.0	.90	64	29
1925	13	80	53	12	31	10	10.0	1.20	120	37
1930	34	194	131	16	76	39	10.5	1.00	168	76
1935	25	170	110	9	59	42	12.5	1.10	112	65
1940	110	530	375	15	82	278	13.5	1.25	202	102
1945	69	383	291	23	29	239	14.0	1.30	322	38
1950	89	300	239	37	12	190	18.0	1.25	666	15
51	140	300	290	38	12	240	17.5	1.10	665	13
52	130	255	258	41	17	200	14.5	1.05	594	18
53	117	209	221	40	11	170	16.0	1.15	640	13
54	152	245	274	53	9	212	16.0	1.15	848	10
55§	154	245	276	64	6	206	22.0	1.35	1408	8

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

SOYBEANS: Acreage, Yield and Production 1924-55 by States

Maryland

Year	—Acres Planted—			—Acres Harv.—		Grazed or Plowed Under	Average Yield		Total Prod.	
	Grown Alone	Inter- planted*	Equivalent Solid†	For Beans	For Hay		Per Acre For Beans	Per Acre Harv. For Hay	For Beans Thous.	For Hay Thous.
	—Thousand Acres—			—Thousand Acres—			Bushels	Tons	Bushels	Tons
1924	33	6	36	5	16	15	11.8	1.40	59	22
1925	32	4	34	6	19	9	12.5	1.45	75	28
1930	33	33	5	5	25	3	6.5	.85	32	21
1935	33	33	5	5	27	1	12.0	1.50	60	40
1940	65	65	19	35	11	13.5	1.50	256	52	
1945	78	78	39	35	4	15.0	1.40	585	49	
1950	95	95	67	21	7	17.0	1.45	1139	30	
51	95	95	77	12	6	16.0	1.40	1232	17	
52	94	94	75	15	4	18.0	1.45	1350	22	
53	115	115	95	18	2	19.0	1.45	1805	26	
54	132	132	108	21	3	18.5	1.45	1998	30	
55§	141	141	116	21	4	20.0	1.50	2320	32	

Michigan

Year	Acres Planted	Acres Harv.	Grazed or Plowed Under	Average Yield Per Acre For Beans	Average Yield Per Acre Harv. For Hay	Total Prod. For Beans Thous.	Total Prod. For Hay Thous.
1924	8	2	6	13.0	1.30	26	8
1925	8	2	6	13.0	1.35	26	8
1930	7	1	6	10.0	1.00	10	5
1935	48	16	32	14.5	1.30	232	42
1940	187	77	67	16.5	1.50	1270	100
1945	140	122	8	17.5	1.45	2135	12
1950	122	114	4	20.0	1.30	2280	5
51	128	120	4	20.5	1.70	2360	7
52	105	92	4	19.0	1.40	1748	6
53	118	110	2	19.0	1.40	2090	3
54	165	158	3	22.0	1.40	3476	6
55§	152	145	2	23.0	1.50	3335	6

Minnesota

(Not estimated prior to 1935)

Year	Acres Planted	Acres Harv.	Grazed or Plowed Under	Average Yield Per Acre For Beans	Average Yield Per Acre Harv. For Hay	Total Prod. For Beans Thous.	Total Prod. For Hay Thous.
1933	15	15	15	13.0	1.30	20	
1934	117	117	115	15.0	1.10	30	126
1935	91	91	85	14.0	1.40	84	119
1940	251	251	183	15.0	1.85	795	339
1945	528	528	48	14.5	1.50	6728	72
1950	1200	1200	38	15.5	1.40	17794	53
51	1140	1077	13	17.5	1.40	18848	18
52	1197	1155	6	19.0	1.55	21945	9
53	1400	1351	7	20.5	1.30	27696	9
54	2044	2014	8	21.0	1.50	42294	12
55§	2351	2316	7	19.5	1.40	45162	10

Mississippi

Year	Acres Planted	Acres Harv.	Grazed or Plowed Under	Average Yield Per Acre For Beans	Average Yield Per Acre Harv. For Hay	Total Prod. For Beans Thous.	Total Prod. For Hay Thous.
1924	45	80	21	8.0	1.00	168	48
1925	54	91	21	10.0	1.05	210	62
1930	85	130	12	6.5	1.01	78	103
1935	203	337	229	8.5	1.05	114	240
1940	332	546	39	11.0	1.25	360	335
1945	235	318	83	13.0	1.25	1079	179
1950	504	550	331	25.0	1.35	8050	177
51	680	635	127	13.0	1.20	5525	152
52	618	650	130	13.5	1.05	6142	136
53	494	519	149	12.0	1.05	3000	126
54	716	741	133	10.0	1.00	5190	133
55§	752	772	104	19.0	1.35	12464	77

Missouri

Year	Acres Planted	Acres Harv.	Grazed or Plowed Under	Average Yield Per Acre For Beans	Average Yield Per Acre Harv. For Hay	Total Prod. For Beans Thous.	Total Prod. For Hay Thous.
1924	165	165	112	7.5	1.20	260	134
1925	157	157	110	8.5	1.10	374	121
1930	422	447	288	7.0	.85	966	245
1935	450	460	300	7.5	1.10	1065	330
1940	564	604	401	13.0	1.40	1417	54
1945	844	876	720	13.0	1.20	9760	107
1950	1225	1249	25	23.0	1.35	27807	34
51	1396	1318	28	20.0	1.35	25800	38
52	1801	1824	55	19.0	1.20	32756	66
53	2071	2091	99	14.0	1.00	27948	99
54	1967	1987	45	15.0	1.05	27540	47
55§	1987	2005	26	18.0	1.10	35154	29

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

SOYBEANS: Acreage, Yield and Production 1924-55 by States

Nebraska (Not estimated prior to 1929)

Year	Grown Alone	Acres Planted Inter- Equivalent Solid†	Acres Harv. For Beans†	Harv. For Hay	Grazed or Plowed Under	Average Yield Per Acre For Beans	Yield For Hay	Total For Beans Thous.	Prod. For Hay Thous.
	Thousand Acres		Thousand Acres			Bushels	Tons	Bushels	Tons
1929	2	2	2			1.40		3	
1930	3	3	3			1.20		4	
1935	9	9	9			.95		9	
1940	20	20	4	13	3	14.0	1.20	56	16
1945	20	20	17	17	1	18.0	1.25	396	2
1950	50	50	50	2		24.0		1200	
51	60	60	58		2	22.0		1276	
52	90	90	88		2	26.0		2288	
53	108	108	105		3	18.5		1942	
54	194	194	190		4	22.0		4180	
55§	200	200	180		20	10.0		1800	

North Carolina

1924	120	90	165	75	70	20	15.5	.90	1162	63
1925	140	110	195	80	80	35	14.5	.70	1160	56
1930	230	220	340	128	150	62	10.5	.85	1344	128
1935	230	280	360	115	165	80	12.5	.95	1438	157
1940	360	450	585	190	180	215	12.0	1.10	2580	198
1945	368	299	518	216	191	111	12.5	1.15	2700	220
1950	410	266	513	297	122	94	16.0	1.10	4752	144
51	445	184	537	309	123	105	16.5	1.20	5098	148
52	432	153	508	287	127	94	16.5	1.05	4736	133
53	397	138	466	263	136	67	15.5	1.00	4076	136
54	441	145	513	295	131	87	16.0	1.05	4720	138
55§	467	141	537	349	121	67	14.5	1.15	5060	139

Ohio

1924	66	66	20	44	2	11.5	1.20	230	53
1925	57	57	17	38	2	14.0	1.30	238	49
1930	112	355	31	77	4	14.0	.90	434	69
1935	355	124	220	112	11	21.0	1.65	2604	363
1940	1020	1020	561	347	112	16.0	1.30	8976	451
1945	1184	1184	1077	83	24	18.0	1.45	19386	130
1950	1136	1136	1090	29	17	22.5	1.50	24525	44
51	1159	1159	1124	18	17	19.0	1.35	21356	24
52	985	985	940	26	19	22.0	1.45	20680	38
53	1064	1064	1036	18	10	20.5	1.45	21238	26
54	1192	1192	1165	13	14	25.5	1.55	29708	20
55§	1252	1252	1239	10	13	25.0	1.55	30725	16

Pennsylvania

1924	7	7	7				1.45		10
1925	6	6	6				1.55		9
1930	11	11	11				1.10		11
1935	31	31	2	26	3	16.5	1.70	33	44
1940	82	82	14	6	14	16.0	1.50	224	81
1945	73	73	28	33	12	15.5	1.60	434	53
1950	48	48	24	19	5	17.5	1.65	420	31
51	43	43	22	17	4	17.0	1.65	374	28
52	37	37	19	15	3	19.0	1.65	361	25
53	37	37	19	13	5	17.0	1.60	323	21
54	37	37	17	13	7	18.0	1.65	306	21
55§	48	48	17	17	14	19.0	1.65	323	28

South Carolina

1924	9	28	23	7	9	7	7.0	.70	49	6
1925	18	40	38	8	21	9	5.5	.30	44	6
1930	20	50	45	9	23	13	6.5	.80	58	18
1935	16	39	36	5	16	15	7.0	.95	35	15
1940	32	94	79	11	29	39	6.5	.85	72	25
1945	28	65	60	10	15	35	7.0	.95	70	14
1950	94	104	146	62	23	61	12.0	1.00	744	23
51	114	102	165	83	21	61	12.5	1.00	1038	21
52	132	106	185	98	33	54	11.5	.95	1127	31
53	150	100	200	130	28	42	11.0	.95	1430	27
54	176	120	236	130	27	79	7.0	.65	910	18
55§	190	114	247	173	33	41	15.0	1.10	2595	36

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

SOYBEANS: Acreage, Yield and Production 1924-55 by States

South Dakota

(Not Estimated Prior to 1939)

Year	Acres Planted—			Acres For Beans†	Harv.— For Hay	Grazed or Plowed Under	Average Per Acre	Yield Harv. For Hay	Total For Beans Thous.	Prod. For Hay Thous.
	Grown Alone	Inter- planted*	Equivalent Solid‡							
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels	Tons
1939	2		2		2			1.10		2
1940	4		4	1	2	1	12.0	1.20	12	2
1945	15		15	13	1	1	14.0	1.35	182	1
1950	72		72	70	1	1	12.5	1.10	875	1
51	63		63	60	1	2	14.5	1.20	870	1
52	89		89	85		4	15.0		1275	
53	90		90	87		7	19.0		1653	
54	180		180	173		7	18.0		3114	
55§	259		259	251		8	11.0		2761	

Tennessee

1924	160	50	185	10	153	22	8.5	1.08	85			165
1925	150	40	170	8	142	20	7.5	.75	60			106
1930	190	64	222	20	172	30	7.5	.72	150			124
1935	128	90	123	18	108	47	6.5	1.00	117			108
1940	167	298	316	19	122	175	8.5	1.30	162			159
1945	216	181	306	66	110	130	14.5	1.25	957			138
1950	248	163	330	168	70	92	21.0	1.30	3528			91
51	310	142	381	183	99	99	17.5	1.20	3202			119
52	323	118	385	181	142	62	20.0	1.00	3620			142
53	258	100	308	150	95	63	13.5	1.20	2025			114
54	307	130	367	190	112	65	13.5	.90	2565			101
55§	322	112	378	226	91	61	18.0	1.40	4068			127

Virginia

1924	88	24	100	15	74	11	13.0	1.00	195			74
1925	106	28	120	16	92	12	11.0	.95	176			87
1930	120	31	136	17	79	40	7.0	.70	119			55
1935	96	38	115	25	76	14	14.0	1.20	350			91
1940	128	105	180	49	93	38	15.5	1.35	760			126
1945	149	82	190	79	48	63	16.0	1.35	1264			65
1950	202	54	229	152	25	52	19.0	1.35	2888			34
51	220	56	248	166	34	48	18.0	1.30	2988			44
52	224	58	253	174	33	46	17.0	1.30	2958			43
53	231	58	260	167	52	41	16.0	1.10	2672			57
54	249	58	278	187	53	38	15.5	1.00	2898			53
55§	232	46	255	193	36	26	20.0	1.25	3860			45

Wisconsin

1924	38		38	3	35		9.0	1.40	27			49
1925	20		20	2	18		9.0	1.55	18			28
1930	14		14	2	12		11.5	1.20	23			14
1935	181		181	2	179		13.0	1.70	36			304
1940	215		215	25	162	28	17.5	2.00	438			324
1945	93		93	39	46	8	13.0	1.80	507			83
1950	85		85	33	45	7	14.0	1.65	462			74
51	63		63	44	13	6	14.5	1.70	638			22
52	61		61	48	9	4	17.0	1.95	816			18
53	70		70	56	10	4	14.5	1.65	812			16
54	87		87	69	12	6	15.0	1.60	1035			19
55§	100		100	82	11	7	12.5	1.45	1025			16

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEANS-SUPPLY AND DISTRIBUTION

1949-50 to date, in Thousand Bushels

Quarter or Period	Stocks at beginning of period 1/					DISTRIBUTION							
	Farms	Interior Mills & Elevators	Crushing Plants	Terminal Markets	CCC 2/	Total	Production	Total Supply	Used for Seed	Net Exports 3/	Crushed at Mills	Feed & Residual disappear- ance 4/	Total
1949-50													
Oct.-Dec.	2,231	213	285	462		3,181	234,194	237,375		4,528	53,950	1,094	57,572
Jan.-Mar.	61,959	15,203	66,508	16,133		179,803		179,803		3,906	50,657	3,807	58,250
Apr.-June	45,804	17,517	47,991	10,241		121,553		121,553	19,021	4,063	47,991	4,261	75,336
July-Sept.	7,190	4,359	28,478	6,190		46,217	234,194	46,217		736	44,687	-2,113	43,310
SEASON						3,181		237,375	19,021	13,133	195,205	7,099	234,468
1950-51													
Oct.-Dec.	1,241	244	502	920		2,907	299,279	302,186		10,501	62,056	-7,122	70,435
Jan.-Mar.	101,728	77,163	13,915	12,513		231,751		231,751		6,110	72,352	9,960	88,422
Apr.-June	48,085	19,594	63,137	4,201		143,829		143,829	18,225	9,555	61,165	2,241	71,186
July-Sept.	9,996	4,062	33,584			52,443	299,279	52,443		9,060	31,436	-3,093	47,983
SEASON						2,907		302,186	18,225	27,626	251,960	-14	298,027
1951-52													
Oct.-Dec.	2,675	262	552	670		4,159	282,477	286,636		7,281	67,851	-8,674	66,458
Jan.-Mar.	104,167	44,399	61,852	9,760		220,178		220,178		4,256	68,043	17,761	90,060
Apr.-June	60,095	21,858	42,708	5,457		130,118		130,118	19,539	2,811	58,429	4,188	84,467
July-Sept.	5,894	4,640	30,818	3,809		45,151	282,477	45,151		2,697	50,057	-11,178	41,576
SEASON						4,159		286,636	19,539	17,045	244,380	2,092	281,001
1952-53													
Oct.-Dec.	1,958	266	611	710		3,575	298,052	301,627		13,918	65,401	-4,442	75,377
Jan.-Mar.	85,621	48,346	79,832	13,994		226,250		226,250		7,426	60,665	11,088	79,179
Apr.-June	50,669	27,926	49,643	9,048		147,071		147,071	20,539	6,430	57,165	7,278	84,779
July-Sept.	20,393	11,393	26,905	3,245		62,292	298,052	62,292		4,213	50,075	-2,733	82,153
SEASON						3,575		301,627	20,539	31,296	234,404	4,641	291,490
1953-54													
Oct.-Dec.	5,755	2,021	1,023	1,098		10,157	268,528	278,685		23,629	62,326	2,423	88,478
Jan.-Mar.	81,299	36,675	88,531	13,196		199,228		199,228		7,858	58,902	5,659	72,319
Apr.-June	37,212	16,392	52,221	11,461		117,496		117,496		2,379	61,765	-	82,347
July-Sept.	3,662	3,484	24,398	3,917		35,621	268,528	35,621		41,296	41,296	-9,390	44,285
SEASON						10,157		278,685		23,630	213,350	1,146	277,229
1954-55													
Oct.-Dec.	529	113	81	613		1,336	341,565	342,901		27,172	65,113	10,692	81,483
Jan.-Mar.	150,267	57,804	44,613	8,534		261,218		261,218		12,326	60,785	11,245	84,336
Apr.-June	114,276	40,623	17,439	3,914		176,862		176,862	25,071	8,241	63,161	13,054	110,027
July-Sept.	33,130	18,963	10,775	2,885		66,835	341,565	66,835		11,910	39,950	-15,032	56,888
SEASON						1,336		342,901	25,071	60,149	249,699	-1,335	332,984
1955-56													
Oct.-Dec.	3,969	1,277	217	2,628		10,097	371,276	381,283					

1/ October 1 stocks in all positions include only old crop soybeans. 2/ Owned by Commodity Credit Corporation in transit to ports. 3/ Imports negligible. 4/ Mostly quantity fed, but includes waste, loss, and statistical errors in estimates. Stocks, production and quantity used for seed estimated by crop reporting board; exports and quantity crushed from Bureau of the Census. U. S. Dept. of Agriculture, Agricultural Marketing Service.

SOYBEAN OIL MEAL PRODUCTION

SOYBEAN OIL MEAL AND CAKE: SUPPLY AND UTILIZATION IN THE U. S. 1924-55

Year Beginning October 1	Supply 1,000 Tons			Utilization 1,000 Tons		Feed
	Domestic Production	Imports	Total Supply	Exports	Food, Industry and other Non-feed*	
1924-25	7.6	18.3	25.9			25.9
1925-26	8.6	19.8	28.4			28.4
1926-27	8.1	23.9	32.2			32.2
1927-28	13.7	47.7	61.4			61.4
1928-29	21.5	69.5	91.0			91.0
1929-30	40.7	73.5	114.2			114.2
1930-31	98.6	24.0	122.6			122.6
1931-32	114.7	18.6	133.3			133.3
1932-33	84.3	28.3	112.6			112.6
1933-34	73.9	25.0	98.9			98.9
1934-35	220.4	64.2	284.6		18.0	266.6
1935-36	613.1	20.0	633.1		19.0	614.1
1936-37	495.8	55.7	551.5		20.0	531.5
1937-38	724.1	15.5	739.6		21.0	718.6
1938-39	1,064.4	12.3	1,076.7	35.0	22.0	1,019.7
1939-40	1,348.8	12.1	1,360.9	62.3	23.0	1,275.6
1940-41	1,543.4	8.1	1,551.5	25.4	35.0	1,491.1
1941-42	1,844.9	0	1,844.9	19.7	40.1	1,785.1
1942-43	3,200.3	0	3,200.3	20.9	105.5	3,073.9
1943-44	3,446.0	0	3,446.0	16.1	107.1	3,322.8
1944-45	3,698.5	0	3,698.5	10.0	61.4	3,627.1
1945-46	3,837.3	0	3,837.3	9	181.4	3,655.0
1946-47	4,086.4	0	4,086.4	141.7	199.3	3,745.4
1947-48	3,832.7	0	3,832.7	95.7	353.8	3,383.2
1948-49	4,330.5	3.2	4,333.7	150.6	44.0	4,139.1
1949-50	4,585.6	26.1	4,611.7	47.4	25.0	4,539.3
1950-51	5,896.8	22.8	5,929.6	181.1	30.0	5,718.5
1951-52	5,703.7	24.1	5,727.8	41.8	30.0	5,656.0
1952-53	5,551.3	41.1	5,592.4	46.8	30.0	5,515.6
1953-54	5,050.6	15.6	5,066.2	66.5	30.0	4,969.7
1954-55**	5,704.8		5,704.8	273.3	30.0	5,401.5

* Estimated. ** Preliminary. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.



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SOYBEAN OIL MEAL PRODUCTION—(Continued)

SOYBEAN CAKE AND MEAL: Production, Stocks, Foreign Trade and Domestic Disappearance
1949-55

Item	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1949-50													
Stocks 1/	11.3	35.9	42.5	47.4	62.4	70.7	77.7	86.8	83.6	66.0	50.0	49.2	
Production	414.5	406.4	407.2	402.8	364.8	422.9	405.5	394.2	323.3	364.0	263.7	318.3	4,585.6
Imports	.1	.2	1.3	2.5	1.4	.7	.7	1.0	1.6	5.9	5.5	5.2	26.1
Exports	3.1	3.3	2.3	11.0	1.5	2.0	12.1	2.3	2.9	.8	1.9	4.0	47.4
Disappearance 2/	388.9	396.7	401.3	379.3	356.4	414.6	383.0	295.9	339.6	385.1	268.1	333.5	4,542.4
1950-51													
Stocks 1/	35.2	41.2	54.6	72.4	92.7	104.4	141.2	172.3	180.0	148.8	108.7	68.5	
Production	453.3	536.1	576.0	590.4	529.3	580.9	512.3	499.9	418.3	413.4	441.9	445.0	5,896.8
Imports	2.3	3.4	4.3	3.8	4.0	4.2	3.2	2.0	3.0	1.6	.7	.3	32.8
Exports	2.9	3.3	2.2	4.8	32.6	83.7	22.3	3.8	11.8	3.3	5.8	4.6	181.1
Disappearance 2/	446.7	522.8	561.3	569.1	489.0	464.6	462.1	490.4	440.7	451.8	477.0	373.7	5,748.2
1951-52													
Stocks 1/	35.5	27.1	30.5	34.1	32.7	46.7	54.0	57.0	59.0	57.8	71.3	63.7	
Production	500.4	536.5	542.3	563.8	525.0	494.7	467.2	457.9	435.1	410.8	418.6	351.4	5,705.7
Imports	1.1	.5	.8	1.9	.9	1.2	1.0	2.7	2.6	2.9	4.1	4.4	24.1
Exports	3.3	9.3	10.5	3.5	3.8	3.9	1.9	1.6	1.6	.7	1.2	.5	41.8
Disappearance 2/	506.6	524.3	529.0	563.6	508.1	484.7	461.3	457.0	437.3	399.5	429.1	367.5	5,670.0
1952-53													
Stocks 1/	51.5	60.5	78.1	89.2	109.2	139.4	154.2	167.3	172.8	168.7	118.4	102.3	
Production	539.5	518.6	506.7	506.5	442.7	485.5	456.1	488.6	404.2	387.6	445.0	370.3	5,551.3
Imports	5.3	7.2	8.1	4.5	4.2	5.8	3.6	1.2	.8	.2	.1	.1	41.1
Exports	1.5	2.0	1.6	2.0	1.9	1.5	2.7	6.4	2.8	4.3	9.8	10.3	46.8
Disappearance 2/	534.3	506.2	502.1	489.6	414.8	475.0	443.9	477.9	406.3	433.8	451.4	405.6	5,540.3
1953-54													
Stocks	56.8	56.8	78.1	104.8	128.6	162.5	170.7	182.2	177.4	166.9	175.2	150.7	
Production	505.1	481.6	494.3	492.7	438.4	456.7	430.7	416.3	364.5	368.1	354.5	257.7	5,050.6
Imports	.7	.0	.1	.8	3.9	1.0	.9	1.9	3.7	1.4	1.1	.8	15.6
Exports	9.3	14.1	12.1	4.0	5.1	5.1	3.6	3.8	2.4	1.4	2.1	3.5	60.3
Disappearance	495.8	446.2	455.6	465.7	403.3	444.4	406.3	419.2	376.1	359.8	378.0	344.1	4,994.9
1954-55													
Stocks	61.6	58.3	47.9	47.1	59.5	91.0	100.4	113.4	100.8	99.4	98.3	69.2	
Production	499.6	507.3	484.6	491.3	450.5	444.3	456.2	480.0	309.4	493.5	438.6	429.5	5,704.8
Imports	3.0	50.9	25.6	27.4	9.7	13.3	6.9	7.7	15.7	30.3	23.0	29.8	273.3
Exports	469.9	466.8	459.8	451.5	409.3	421.6	436.3	484.9	495.1	404.3	404.7	431.7	5,455.9

1/ Stocks at crushers' plants. 2/ Domestic disappearance, based on production, imports, exports, and change in crushers' stocks. 3/ Less than 50 tons. Compiled from reports of the Bureau of the Census and the Agricultural Marketing Service.

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SOYBEAN OIL MEAL PRODUCTION — (Continued)

PRODUCTION OF SOYBEAN OIL MEAL BY MONTHS AND CROP YEARS, 1947-55

(1,000 tons)

	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55*
October	273.3	328.5	414.5	453.3	500.4	519.5	505.1	499.6
November	352.0	383.0	406.4	536.1	576.5	518.6	481.6	507.3
December	365.2	385.3	407.2	576.0	542.3	506.7	494.3	284.6
January	393.8	398.7	402.8	590.4	563.8	506.5	492.7	491.3
February	355.7	367.8	364.8	529.3	525.0	442.7	484.4	450.5
March	350.9	403.9	422.9	580.9	494.7	485.5	456.7	444.3
April	337.3	376.8	403.5	512.3	467.2	456.1	420.7	456.2
May	313.3	364.2	394.2	499.9	457.9	488.6	416.3	480.0
June	299.3	355.9	323.3	418.2	435.1	404.2	364.5	509.4
July	296.8	357.6	364.0	413.4	410.8	387.6	368.1	493.5
August	253.5	318.9	363.7	441.9	418.6	445.0	354.5	458.6
September	240.8	279.9	318.3	345.0	351.4	370.3	257.7	429.5
TOTAL	3,832.7	4,330.5	4,585.6	5,896.8	5,703.7	5,551.3	5,050.6	5,704.8

*Preliminary.

*Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

PRODUCTION OF PROTEIN CONCENTRATES

PRODUCTION OF SPECIFIED PROTEIN CONCENTRATES IN THE UNITED STATES,
YEAR BEGINNING OCTOBER 1, 1937-41 AVERAGE AND 1947-55

Protein Concentrate	Average 1937-41	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55*
	Thousands of tons								
Soybean cake and meal	1,305	3,833	4,330	4,586	5,897	5,704	5,551	5,051	5,705
Linseed cake and meal	616	625	687	689	730	495	458	577	545
Cottonseed cake and meal	2,057	2,016	2,416	2,497	1,723	2,524	2,673	3,019	2,515
Peanut cake and meal	67	123	117	137	151	94	42	63	19
Copra cake and meal	76	170	128	154	149	122	116	116	118
Gluten feed and meal	690	799	848	926	966	897	942	929	1,004
Tankage and meat scraps	656	790	817	826	858	912	1,013	1,064	1,065
Fish cake and meal	194	188	189	218	214	198	221	230	225
Dried milk products**	142	90	110	115	100	110	115	375	135
Other milk products†	1,829	1,260	1,280	1,300	1,270	1,225	1,250	1,235	1,235
TOTAL	7,632	9,894	10,922	11,448	12,058	12,281	12,381	12,559	12,566

*Preliminary. **Dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed. †Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

PROTEIN CONCENTRATES: ESTIMATED USE FOR FEED IN THE UNITED STATES,
YEAR BEGINNING OCTOBER 1, 1937-41 AVERAGE AND 1947-55*

Protein Concentrate	Average 1937-41	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55**
	Thousands of tons								
Soybean cake and meal	1,258	3,383	4,158	4,518	5,718	5,640	5,510	4,965	5,426
Linseed cake and meal	481	606	620	670	732	520	478	526	487
Cottonseed cake and meal	1,958	1,953	2,271	2,382	1,854	2,650	2,664	2,930	2,404
Peanut cake and meal	74	122	96	94	130	98	44	63	18
Copra cake and meal	134	177	171	204	226	221	213	196	177
Gluten feed and meal	690	799	848	926	966	897	942	929	1,005
Tankage and meat scraps	728	823	854	842	882	946	1,032	1,082	1,070
Fish cake and meal	215	213	230	264	275	375	336	356	308
Dried milk products‡	142	90	110	115	100	110	115	375	135
Other milk products§	1,829	1,260	1,280	1,300	1,270	1,225	1,250	1,235	1,235
TOTAL	7,529	9,426	10,638	11,315	12,153	12,682	12,584	12,657	12,265

* Domestic production plus imports, minus exports, and minus estimated utilization for food, industry and other nonfeed uses. **Preliminary. ‡Dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed. §Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

SOYBEAN OIL, MEAL AND CAKE PRODUCTION AND STOCKS BY STATES

CRUDE SOYBEAN OIL AND SOYBEAN CAKE AND MEAL, Production and Stocks by States,
1954-51 (2,000 pounds)

States	CRUDE SOYBEAN OIL				SOYBEAN CAKE AND MEAL			
	1954	1953	1952	1951	1954	1953	1952	1951
UNITED STATES								
Production	2,377,885	2,514,829	2,478,046	2,472,838	5,060,969	5,467,624	5,689,188	5,910,591
Stocks, end of month or year	24,377	36,463		96,650	47,104	104,835		34,077
Arkansas								
Production	7,811	22,434	(1)	51,776	20,859	56,289	(1)	137,156
Stocks, end of month or year	(1)	(1)		2,794	6,586	1,290		1,497
Illinois								
Production	50,590	1,025,277	996,532	1,049,874	1,919,282	2,068,885	2,112,046	2,311,294
Stocks, end of month or year	9,180	12,802		36,022	15,906	51,524		13,537
Indiana								
Production	279,961	297,981	261,069	209,145	611,337	651,960	591,546	496,282
Stocks, end of month or year	2,225	6,433		7,392	2,874	(1)		3,164
Iowa								
Production	430,458	430,378	392,058	364,767	954,601	986,573	966,184	940,235
Stocks, end of month or year	4,655	5,372		15,569	6,768	7,413		3,295
Kansas								
Production	24,857	42,144	(1)	51,175	57,337	98,766	(1)	131,096
Stocks, end of month or year	(1)	791		3,672	(1)	(1)		1,018
Kentucky								
Production	61,690	59,430	66,707	70,587	131,574	126,472	139,712	154,563
Stocks, end of month or year	266	328		955	882	(1)		752
Minnesota								
Production	146,788	129,710	97,894	94,560	335,013	284,802	257,569	241,202
Stocks, end of month or year	2,392	2,518		5,175	3,193	3,936		1,112
Mississippi								
Production	20,615	22,144	29,455		45,469	49,015	70,934	(1)
Stocks, end of month or year	398	(1)			838	468		(1)
Missouri								
Production	95,335	74,114	71,732	77,869	208,468	169,203	180,903	211,927
Stocks, end of month or year	910	1,569		2,740	1,280	1,202		926
Nebraska								
Production	(1)	18,025	(1)	16,793	(1)	47,918	(1)	47,438
Stocks, end of month or year	(1)	535		950	(1)	(1)		(1)
North Carolina								
Production	(1)	10,971	18,800	19,402	(1)	32,127	53,610	55,042
Stocks, end of month or year	(1)	303		1,327	784	4,355		446
Ohio								
Production	249,393	282,801	289,594	258,427	562,184	631,402	665,650	633,216
Stocks, end of month or year	2,961	3,789		7,349	3,145	3,186		3,038
Oklahoma								
Production		6,401	(1)	6,837		17,593	(1)	18,882
Stocks, end of month or year		(1)		426		(1)		253
Texas								
Production			196	6,691			538	16,950
Stocks, end of month or year				(1)				(1)
All other states								
Production	90,987	102,019	254,009	194,935	214,845	246,619	650,496	515,308
Stocks, end of month or year	1,390	2,113		12,279	4,648	31,461		5,039

(1) Included in "All other states" to avoid disclosure of figures for individual companies. From Bureau of Census. * All months not shown to avoid disclosure of figures for individual companies.

OILSEED CAKE AND MEALS: SUPPLY AND DISTRIBUTION

Oilseed Cakes and Meals: Supply and Distribution, United States, Year Beginning October 1949-55
(1,000 Tons)

Oilseed Cake and meal	SUPPLY				DISTRIBUTION			
	Stocks (Oct. 1) 1/	Production	Imports	Total	Feed	Other uses 2/	Exports	Stocks (Sept. 30) 1/
1949-50								
Soybean	13	4,586	26	4,625	4,518	25	47	35
Cottonseed	98	2,497	105	2,700	2,382	40	134	154
Linseed	29	689	5	733	670	7	56	56
Peanut	1	139	6	146	94	49	3	3
Copra	7	154	57	218	204	0	14	14
TOTAL	158	8,065	199	8,422	7,868	65	237	262
1950-51								
Soybean	35	5,897	33	5,965	5,718	30	181	36
Cottonseed	154	1,733	91	1,968	1,854	30	13	71
Linseed	26	730	1	787	732	29	26	26
Peanut	3	151	1	155	130	24	1	1
Copra	14	149	66	229	226	1	2	2
TOTAL	202	8,650	192	9,104	8,660	60	248	136
1951-52								
Soybean	36	5,703	24	5,764	5,640	39	42	52
Cottonseed	71	2,534	202	2,797	2,650	36	35	82
Linseed	26	495	23	544	539	7	17	17
Peanut	1	93	5	101	69	2	4	4
Copra	2	122	104	228	221	7	7	7
TOTAL	136	8,940	358	9,434	9,130	60	86	158
1952-53								
Soybean	52	5,551	41	5,644	5,510	30	47	57
Cottonseed	82	2,673	136	2,891	2,664	30	55	142
Linseed	17	458	26	501	478	•	23	23
Peanut	•	42	4	46	44	•	2	2
Copra	7	116	97	220	214	0	6	6
TOTAL	158	8,840	304	9,302	8,910	60	102	130
1953-54								
Soybean	57	5,051	16	5,124	4,965	30	67	62
Cottonseed	142	3,019	70	3,231	2,930	30	66	205
Linseed	23	577	1	601	536	33	40	40
Peanut	2	63	1	66	63	2	1	1
Copra	6	116	80	202	196	0	6	6
TOTAL	230	8,826	168	9,224	8,689	60	170	314
1954-55 4								
Soybean	62	5,705	0	5,767	5,426	30	274	37
Cottonseed	205	2,515	32	2,572	2,404	30	168	150
Linseed	40	545	0	585	487	—	76	22
Peanut	1	19	0	20	18	—	1	1
Copra	6	118	63	187	183	—	0	4
TOTAL	314	8,902	95	9,311	8,518	60	519	214

1/ Stocks at processors' plants. 2/ Estimated quantities of soybean meal used for industrial purposes by CCC and not stored at processor's plants. 4/ Preliminary. *Less than 500 tons. U. S. Department of Agriculture Production and Marketing Administration.

VOLUME OF FUTURES TRADING IN SOYBEANS, MEAL AND OIL

Volume of futures trading in soybeans, soybean oil, and soybean meal, all markets combined, calendar years, 1948-1952 average, 1953, 1954 and 1955.

Commodity	Unit	1948-1952 Average	1953	1954	1955
Soybeans	Million bushels	2,543	3,605	6,169	4,303
Soybean oil	Million pounds	1,641	3,122	5,397	4,301
Soybean meal	Thousand tons	1,353	2,519	5,975	5,551

Commodity Exchange Authority

U. S. SOY FLOUR PRODUCTION

Soybeans Used in the Production of Soy Flour and Grits, Year Beginning October 1, 1942-55*

1,000 bu.

	Low Fat	Full Fat
1942-43	4,645	1,875
1943-44	4,470	1,605
1944-45	7,865	910
1945-46	8,278	1,061
1946-47	9,193	440
1947-48	17,119	162
1948-49	3,445	198
1949-50	3,715	228
1950-51	2,915	236
1951-52	3,436	255
1952-53	2,799	254
1953-54	3,111	225
† 1954-55, Total	--	5,405

* Estimated from reports on production of soy flour on basis that one bushel of soybeans will yield either 39 lbs. of low fat flour or 48 lbs. of full fat flour. † Based on 40 lbs. of soy flour per bushel of soybeans. Bureau of the Census no longer collects separate data on the production of full fat and low fat soy flour, but reports only total production.

PRODUCTION, EXPORTS SOY FLOUR AND GRITS

SOY FLOUR AND GRITS: UNITED STATES PRODUCTION AND EXPORTS: 1935-55

Year beginning October 1	Production*			Exports		
	Full fat Products	Low fat and defatted products	Total	Commercial ‡	Military §	Total
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
1935-36			22,000			
1936-37			24,000			
1937-38			26,000			
1938-39			28,000			
1939-40			30,000			
1940-41			50,000			
1941-42			84,125			
1942-43	28,000	56,125	84,125			
1943-44	90,600	181,000	271,600	22,971		22,971
1944-45	77,185	174,280	251,465	100,540		100,540
1945-46	43,925	72,715	116,640	58,460	14,374	72,834
1946-47	50,914	322,761	373,675	183,642	3,604	187,246
1947-48	21,265	358,537	379,800	105,814	135,223	241,037
1948-49	7,746	667,633	675,379	479,674	74,879	554,553
1949-50	9,492	134,356	143,848	56,186		56,186
1950-51	10,960	144,874	155,834			
1951-52	11,348	113,680	125,028	7,435		7,435
1952-53	12,248	133,626	145,874	7,925		7,925
1953-54	12,182	109,162	121,344	4,778		4,778
1954-55	10,808	121,310	132,118	5,095		5,095
			216,204	5,144		5,144

* Based on reports of the Soy Flour Association supplemented by information furnished the War Food Administration by the industry for 1935-48 and the Bureau of the Census for 1949 to date. Data for 1935-41 are rough approximations used during the war years since no exact data were available.

† Reported by the Bureau of the Census—not available prior to 1943. Thus the first figure is for January-September 1943 only. Includes exports under the Lend Lease program. § Shipments for military relief feeding furnished by the National Military Establishments for 1943-46 and by the Bureau of the Census for 1947. Beginning with January 1948 included with commercial exports. The export figures do not include purchases by the Military for its own use. Compiled by Agricultural Marketing Service, U. S. Department of Agriculture.

Additional copies of the Soybean Blue Book may be purchased from the American Soybean Association, Hudson, Iowa, by members for \$1.

FATS AND OILS PRODUCTION

ESTIMATED PRODUCTION OF FATS AND OILS FROM DOMESTIC MATERIALS AND OIL EQUIVALENT OF EXPORTED DOMESTIC OILSEEDS, YEAR BEGINNING OCTOBER 1955
WITH COMPARISONS

Item	Average 1937-41	1950	1951	1952	1953	1954 1/	1955 2/
	Mil. Lb.	Mil. Lb.	Mil. Lb.	Mil. Lb.	Mil. Lb.	Mil. Lb.	Mil. Lb.
Butter (actual weight)	2,224	1,472	1,389	1,599	1,677	1,563	1,600
Lard and rendered pork fat	2,091	2,811	2,920	2,501	2,308	2,590	2,850
Edible beef fats 3/	225	158	173	217	255	269	270
Total, edible animal fats	4,540	4,441	4,482	4,317	4,140	4,422	4,720
Corn oil	173	243	223	258	252	268	270
Cottonseed oil	1,456	1,227	1,726	1,836	2,101	1,717	1,850
Edible olive oil	7	2	4	7	2	3	5
Peanut oil	87	191	123	53	82	19	125
Peanuts (shelled), oil equivalent of exports for crushing abroad 4/		21			69		
Soybean oil	500	2,454	2,444	2,536	2,350	2,711	3,675
Soybeans, oil equivalent of exports 5/	31	272	167	320	416	660	
Total, edible vegetable oils	2,254	4,410	4,687	5,010	5,272	5,378	5,925
Inedible tallow and greases	1,303	2,343	2,268	2,616	2,661	2,825	2,925
Fish, whale and seal oils 6/	223	164	126	148	161	171	170
Total, soap fats and oils	1,526	2,507	2,394	2,764	2,822	2,996	3,095
Linseed oil 7/	363	808	554	501	631	583	650
Flaxseed, oil equivalent of exports 8/		78	55	97	122	139	
Tung oil	1	12	14	43	40	15	3
Castor oil			8	13	8	5	
Total, drying oils	364	898	631	557	801	742	653
Other fats and oils 10/	5	14	20	36	31	42	40
Grand total	8,689	12,270	12,214	12,684	13,066	13,580	14,433

1/ Preliminary. 2/ Forecasts based on November 1 crop estimates and other indications. 3/ Edible tallow, oleo stock, oleo oil, and oleostearine. Beginning January 1949, use of edible tallow in pressing is subtracted from reported production of tallow. 4/ 43 percent of actual weight. 5/ 9 pounds per bushel, 1937-41; 9.8 pounds in 1950-51; 10.0 pounds in 1952; 11 pounds in 1953-55. 6/ Excludes cod oil and fish liver oils. 7/ Excludes oil equivalent of imported flaxseed. 8/ 19.8 pounds per bushel. 9/ Less than 500,000 pounds. 10/ Neat's foot oil, wool grease, cod and fish-liver oils, and vegetable oils not reported separately by kind. Compiled from reports of Bureau of the Census, Fish and Wildlife Service, and U. S. Department of Agriculture.

SUNFLOWER BRAND

Hexane Extracted
44% Soybean Meal

CAR OR TRUCK LOTS

PHONE 3000 - EMPORIA, KANSAS

KANSAS SOYA PRODUCTS CO., INC.

EMPORIA, KANSAS

PRODUCTION OF SOYBEAN OIL

SOYBEAN OIL: PRODUCTION, TRADE, STOCKS, DEC. 31 AND APPARENT DISAPPEARANCE,
1930-55

Year	Factory Production	Imports	Exports 1/	Factory and Warehouse Stocks Dec. 31	Apparent Disappearance
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
1930	14	11	5	15	20
1935	105	14	4	30	103
1940	533	5	17	93	498
1941	586	1	14	110	555
1942	762	--	20	140	711
1943	1,214	2/	57	181	1,136
1944	1,246	--	78	139	1,229
1945	1,392	2/	41	205	1,266
1946	1,454	--	89	160	1,410
1947	1,543	2/	110	142	1,451
1948	1,604	2/	86	188	1,473
1949	1,859	2/	367	150	1,531
1950	2,075	2/	302	154	1,769
1951	2,473	--	504	281	1,842
1952	2,478	2/	223	237	2,299
1953	2,515	--	49	208	2,496
1954	2,378	--	77	176	2,334
1955 Jan.-Sept.	2,008	--	37	180 Sept. 30	1,967

1/ Includes shipments and voluntary relief. 2/ Less than 500,000 lbs.

GRUENDLER: MANUFACTURER OF HAMMERMILLS SINCE 1885

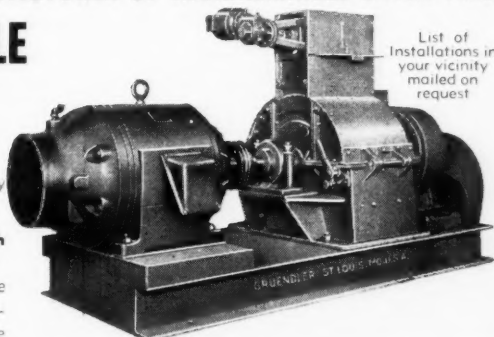
LARGE SCALE PRODUCTION MILLS

(Some of largest capacity
units to Industry today)

**Grinds to 10 to 100 mesh
and as fine as 200 mesh**

Gruendler Grinders are
available with integral feed-
ing devices to handle a wide
variety of feeds, and with
Automatic Controls for par-
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Data available, shredding,
pulverizing, breaking, mix-
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**High speed or low speed center feed HAMMER-
MILLS with automatic feeders. Solidly constructed
for long life, low upkeep.**

**PRODUCE A MOST UNIFORM GRIND OF
EXPELLER CAKE or SOLVENT SCREENINGS**

GRUENDLER CRUSHER AND PULVERIZER CO.

2915 North Market

Dept. SOY

St. Louis 6, Mo.

SOYBEAN OIL UTILIZATION

Soybean Oil, REFINED: Factory Consumption, by Uses, in the United States, 1950, 1951, 1952, 1953, 1954 and first three quarters of 1955

						1955		
	1950	1951	1952	1953	1954	First Quarter	Second Quarter	Third Quarter
	Thousands of Pounds							
Total consumption	1,626,638	1,757,211	2,073,020	2,227,134	2,183,263	597,508	621,981	566,800
Processing:								
Fat splitting	1*			1*	1*	1*		
Hydrogenation	524,353	660,635	895,033	1,141,800	1,108,665	319,291	295,661	260,972
Sulphonation	655	684	579	544	471			
Winterizing	1*	1*		1*	126,722	1*	1*	1*
Pressing								
Deodorizing (whole oil)	87,022	137,841	97,839	128,931	153,667	44,065	64,686	83,642
Other processing	1*	6,567	1*	1*	1*	1,301		
Edible products:								
Shortening	649,328	524,074	591,003	470,936	467,051	129,256	144,879	114,899
Margarine	31,896	68,871	80,425	1*	62,417	18,092	20,728	20,677
Other edible	74,887	84,137	88,272	110,765	92,024	24,734	32,754	30,208
Inedible products:								
Soap	1*	433	472	437	343	1*	1*	1*
Chemicals	1*	1*	1*	1*	1*	1*	1*	1*
Paint and varnish	82,848	57,486	67,999	75,958	74,952	21,019	23,721	20,914
Lubricants and greases	188	221	159	193	165	1*	60	147
Linoleum and oilcloth	1*	1*		10,462	1*	1*	1*	1*
Other inedible products	63,659	87,146	99,992	75,081	70,816	20,281	23,272	20,973

1* Not separately reported for part or all of period. Table prepared in Agricultural Marketing Service, U. S. D. A., from data reported by the Bureau of the Census.

Soybean Oil, CRUDE: Factory Consumption, by Uses, in the United States, 1950, 1951, 1952, 1953, 1954, and the first three quarters of 1955

	and the first three quarters of 1955					1955		
	1950	1951	1952	1953	1954	First Quarter	Second Quarter	Third Quarter
	Thousands of Pounds							
Total consumption	1,835,069	2,029,593	2,354,113	2,497,720	2,336,045	665,729	695,887	650,311
Used in refining	1,781,627	1,976,114	2,279,862	2,409,225	2,256,446	640,511	668,453	625,457
Total use other than refining	53,442	53,479	74,251	88,495	79,599	25,218	27,434	24,854
Processing:								
Fat splitting	1*	1*	1*	5,918	1*	1*	1*	1*
Hydrogenation	1*	1*	—	1*	—	1*	1*	1*
Sulphonation	1*	1*	1*	174	210	1*	1*	1*
Other processing	23,823	24,038	44,126	1*	53,492	15,284	17,501	15,522
Edible products:								
Shortening	1*	1*	—	—	—	—	—	—
Other edible	1*	1*	1*	—	—	—	—	—
Inedible products:								
Soap	1,324	1,244	1,105	895	564	155	220	242
Chemicals	1*	1*	1*	1*	—	—	—	—
Paint and varnish	4,188	3,252	6,101	5,204	4,626	1,170	1,195	978
Lubricants and greases	1*	395	414	441	180	1*	102	1*
Linoleum and oilcloth	1*	1*	1*	1*	1*	1*	1*	1*
Other inedible products	18,364	15,513	19,069	13,851	13,601	7,202	6,386	6,670

1* Not separately reported for part or all of period. Table prepared in Agricultural Marketing Service, U. S. D. A., from data reported by the Bureau of the Census.

"SU SOY" BRAND

44% Soybean Oil Meal

QUALITY - UNIFORMITY - SERVICE

Call Dick Hoagland or John W. Zipoy

Sioux Soya Mills

Sioux City, Iowa

Phone 8-0174 LD 20

SOYBEAN OIL UTILIZATION

SOYBEAN OIL: Utilization By Classes of Products, United States, 1931-55

Year	Food Products--				Non-Food Products--							Total Domestic Disappearance
	Margarine	Shortening	Other	Total	Soap	Paint Varnish	Other Drying Oil Prod.	Misc. Non-Food	Loss Incl. Oil in Foots	Total		
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.		
1931	1	11	7	19	4	6	4	1	2	16	35	
1932	1/	5	14	19	6	7	5	1	1	20	39	
1933	1/	7	8	15	4	9	7	1	1	22	30	
1934	1/	3	10	13	2	10	4	1	1	18	31	
1935	2	32	21	75	3	13	6	1	5	28	103	
1936	14	114	59	187	8	14	5	2	9	35	232	
1937	32	91	20	143	10	16	3	1	10	40	183	
1938	40	137	79	256	11	13	7	2	14	49	305	
1939	71	202	116	389	11	22	12	4	16	65	454	
1940	87	212	107	406	18	30	16	7	21	92	498	
1941	76	216	139	431	25	42	21	11	26	124	555	
1942	133	336	130	599	32	25	8	6	41	112	711	
1943	198	568	207	974	15	20	18	15	93	162	1136	
1944	211	620	274	1106	3	19	18	14	69	123	1229	
1945	207	683	244	1133	4	26	20	16	66	133	1266	
1946	201	744	294	1238	4	30	37	24	77	172	1410	
1947	228	705	248	1381	5	89	69	37	69	270	1451	
1948	255	708	240	1303	3	100	62	32	73	270	1473	
1949	257	713	239	1210	2	124	97	20	80	321	1531	
1950	312	841	293	1446	2	117	96	25	82	323	1769	
1951	473	731	331	1536	2	88	106	26	84	306	1842	
1952	652	851	408	1911	2	120	88	73	104	386	2299	
1953	728	912	510	2150	1	104	81	62	98	345	2496	
1954	665	918	419	2002	1	139	70	35	86	331	2334	
1955 (Jan.-Sept.)	553	707	418	1678	1	136	66	6	81	289	1,967	

1/ Less than 500,000 lbs.

PERCENTAGE OF TOTAL DOMESTIC DISAPPEARANCE

Year	Margarine	Shortening	Other	Total	Soap	Paint and Varnish	Other Drying Oil Prod.	Misc. Non-food	Loss incl. oil in foots	Total	Total Domestic Disappearance
	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent	Per-Cent
1931	1.8	31.4	20.0	54.3	11.4	17.1	11.4	1.8	5.7	45.7	100.0
1932	1/	12.8	35.9	48.7	15.4	17.9	12.8	2.7	2.7	51.3	100.0
1933	1/	1/	23.3	26.7	13.4	30.0	23.3	3.3	3.3	73.3	100.0
1934	1/	9.6	32.3	41.9	4.5	32.3	12.9	3.2	3.2	58.1	100.0
1935	1.9	50.5	20.4	72.8	2.9	12.6	5.8	1.0	4.9	27.2	100.0
1936	6.3	51.3	26.6	84.2	2.3	6.3	2.3	.9	4.0	15.8	100.0
1937	17.5	49.7	10.9	78.1	5.5	8.7	1.6	.6	5.5	21.9	100.0
1938	13.1	44.9	25.9	83.9	3.6	4.9	2.3	.7	4.6	16.1	100.0
1939	15.6	44.5	25.6	85.7	2.4	4.8	2.7	.9	3.5	14.3	100.0
1940	17.5	42.6	21.4	81.5	3.6	6.0	3.2	1.4	4.3	18.5	100.0
1941	13.7	38.9	25.1	77.7	4.5	7.5	3.7	1.9	4.7	22.3	100.0
1942	18.7	47.2	18.3	84.2	4.5	3.6	1.1	.8	5.8	15.8	100.0
1943	17.4	50.0	18.3	85.7	1.3	1.8	1.6	1.3	8.2	14.3	100.0
1944	17.2	50.5	22.3	90.0	.3	1.5	1.5	1.1	5.6	10.0	100.0
1945	16.3	53.9	19.3	89.5	.3	2.1	1.6	1.3	5.2	10.5	100.0
1946	14.2	52.8	20.8	87.8	.3	2.1	2.6	1.7	5.5	12.2	100.0
1947	15.7	48.6	17.1	81.4	.3	6.1	4.8	2.6	4.8	18.6	100.0
1948	17.3	48.1	16.3	81.7	.2	6.8	4.2	2.2	4.9	18.3	100.0
1949	16.8	46.6	15.6	79.0	.1	8.1	6.3	1.3	5.2	21.0	100.0
1950	17.6	47.5	16.6	81.7	.1	6.6	5.5	1.4	4.7	18.3	100.0
1951	25.7	39.7	18.0	83.4	.1	4.8	5.8	1.4	4.5	16.6	100.0
1952	28.4	37.0	17.8	83.2	.1	5.2	3.8	3.2	4.5	16.8	100.0
1953	29.2	36.5	20.4	86.1	.1	4.2	3.2	2.5	3.9	13.8	100.0
1954	28.5	39.3	18.0	85.8	1/	6.0	3.0	1.5	3.7	14.2	100.0
1955 (Jan.-Sept.)	28.1	35.9	21.2	85.3	1/	6.9	3.4	.3	4.1	14.7	100.0

1/ Less than .05 percent.

PRICES OF U. S. SOYBEANS

SOYBEANS: Average Price Received by Farmers, Monthly and Season Average, U. S., 1923-55

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season Ave.**
DOLLARS PER BUSHEL													
1923-24	2.06	2.10	2.11	2.23	2.26	2.41	2.40	2.44	2.49	2.60	2.51	2.33	2.28
24-25	2.23	2.16	2.16	2.59	2.64	2.76	2.77	2.81	2.70	2.71	2.40	2.38	2.46
25-26	2.27	2.18	2.17	2.38	2.33	2.39	2.27	2.37	2.67	2.71	2.31	2.27	2.34
26-27	1.97	1.85	1.83	1.90	2.03	1.98	2.07	2.15	2.20	2.14	2.06	1.91	2.01
27-28	1.86	1.69	1.61	1.70	1.69	1.85	1.93	2.06	2.13	2.12	2.01	1.89	1.81
28-29	1.72	1.69	1.70	1.82	1.93	2.13	2.19	2.30	2.41	2.46	2.15	1.87	1.88
29-30	1.79	1.70	1.72	1.85	1.91	2.00	2.07	2.11	2.16	1.96	1.90	1.80	1.88
1930-31	1.64	1.48	1.44	1.46	1.40	1.42	1.38	1.39	1.29	1.12	.94	.82	1.37
31-32	.52	.47	.47	.47	.48	.51	.51	.52	.51	.47	.47	.47	.50
32-33	.46	.45	.44	.45	.45	.48	.58	.86	.98	1.04	.94	.85	.54
33-34	.68	.69	.73	.81	1.01	1.16	1.26	1.25	1.45	1.54	1.25	1.05	.94
34-35	.95	.89	1.11	1.19	1.27	1.20	1.18	1.21	1.19	.98	.73	.69	.99
35-36	.68	.69	.72	.76	.77	.78	.78	.83	.85	1.05	1.19	1.10	.73
36-37	1.07	1.12	1.30	1.43	1.50	1.52	1.66	1.74	1.50	1.32	1.02	.90	1.37
37-38	.86	.83	.83	.88	.93	.89	.85	.87	.86	.85	.75	.71	.85
38-39	.64	.63	.67	.72	.69	.73	.78	.87	.83	.75	.64	.73	.67
39-40	.73	.82	.97	1.03	.96	1.01	1.00	.96	.79	.73	.67	.69	.81
1940-41	.67	.84	.81	.89	.84	.89	1.07	1.19	1.23	1.30	1.29	1.61	.90
41-42	1.42	1.43	1.47	1.65	1.78	1.79	1.76	1.73	1.63	1.62	1.58	1.57	1.55
42-43	1.58	1.58	1.59	1.59	1.60	1.65	1.67	1.72	1.73	1.70	1.68	1.69	1.61
43-44	1.80	1.80	1.81	1.82	1.85	1.89	1.91	1.93	1.93	1.91	1.90	1.93	1.81
44-45	2.04	2.05	2.05	2.06	2.10	2.13	2.13	2.15	2.17	2.16	2.12	2.07	2.05
45-46	2.06	2.09	2.09	2.09	2.11	2.12	2.14	2.16	2.17	2.31	2.35	2.13	2.08
46-47	2.28	3.09	2.75	2.93	3.00	3.67	3.62	3.01	3.07	3.09	3.07	3.05	2.57
47-48	3.11	3.43	3.69	4.11	2.97	3.23	3.64	3.74	3.90	3.66	2.91	2.45	3.33
48-49	2.27	2.36	2.36	2.27	2.05	2.12	2.08	2.18	2.10	2.27	2.60	2.14	2.27
49-50	2.09	1.95	2.09	2.11	2.12	2.25	2.48	2.71	2.80	2.93	2.42	2.36	2.16
1950-51	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.59	2.47
51-52	2.62	2.77	2.83	2.78	2.78	2.76	2.72	2.77	3.02	3.00	3.05	2.83	2.73
52-53	2.71	2.71	2.75	2.69	2.63	2.81	2.81	2.78	2.66	2.44	2.40	2.33	2.72
54-55	2.54	2.57	2.57	2.58	2.61	2.54	2.42	2.36	2.32	2.23	2.20	2.00	2.52
55-56	2.08	2.06											

Source: Agricultural Marketing Service, U. S. Department of Agriculture. Monthly figures are average prices received by farmers on the 15th of the month. Season averages are crop-year average prices, by states, weighted by production to obtain U. S. average. *Preliminary.

SOYBEANS FOR CRUSHING:

Average Prices of No. 2 Yellow Soybeans, Bulk, in Carlots at Chicago, by Months, Oct. 1933-Dec.1955*

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season Ave.**
DOLLARS PER BUSHEL													
1933-34	.72	.73	.76	.79	.82	.88	.90	.93	.94	.94			.81
1934-35	.86	.96	1.24	1.27	1.29	1.13	1.10	1.07	.95			.73	1.06
1935-36	.79	.81	.87	.88	.85	.82	.83	.85	.91	1.22	1.42		.96
1936-37	1.23	1.29	1.46	1.61	1.59	1.59	1.74	1.75	1.40	1.39	1.12		1.41
1937-38	.98	.93	.95	1.00	1.04	.98	.92	.91	.88	.92	.86		.91
1938-39	.74	.74	.81	.84	.82	.88	.89	.96	.93	.90			.85
1939-40	.87	.98	1.15	1.16	1.06	1.14	1.09	1.00	.81	.82	.81		.96
1940-41	.83	.95	.96	1.02	.95	1.04	1.20	1.32	1.39	1.50	1.57	1.83	1.06
1941-42	1.58	1.60	1.67	1.83	1.95	1.92	1.83	1.80	1.72	1.74	1.71	1.71	1.68
1942-43					11.79	11.71	11.71	11.71	1.71	1.71	1.71		1.72
1943-44	1.88		11.86	11.87	11.94				11.92	11.95	11.94	12.04	1.90
1944-45				12.19	12.21	12.20	12.22		12.20		12.18	12.17	2.20
1945-46	2.11	2.18	22.18										2.13
1946-47	2.87	3.29	3.12	33.21									3.04
1947-48	3.39	3.66	3.93	4.21		3.59	3.86	4.02		33.34	33.11	12.92	3.80
1948-49	2.44	2.58	2.62	2.47	2.26	2.28	2.26	2.32	2.33	33.78	33.22		2.45
1949-50	2.23	2.19	2.31	2.31	2.36	2.48	2.69	3.11	3.00	33.20	33.20	12.21	2.99
1950-51	2.37	2.75	3.02	3.22	33.00		33.25		33.17	33.02		12.66	2.61
1951-52	2.91	2.93	22.99	22.98	33.05		22.83	3.03	33.25	3.28			2.98
1952-53	2.92	2.92	22.90	22.83	22.82		22.92	22.91	22.82	22.69		12.57	2.88
1953-54	2.61	2.85				33.46					14.00	2.68	2.71
1954-55	2.74	2.81	2.78	2.76	2.76		2.51	2.49	2.38				2.77
1955-56	2.24	2.28											

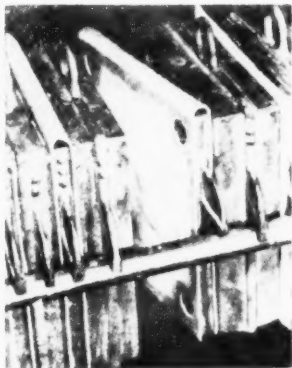
* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Compiled as follows: Oct. 1933-May 1942 from **Chicago Daily Trade Bulletin**, June 1942 and subsequently from **Chicago Journal of Commerce**. Monthly prices, Oct. 1933-Sept. 1939, are simple averages of daily quotations, net track prices; monthly prices, Oct. 1939 and subsequently, are weighted averages of reported cash sales—computed by weighting daily selling price by number of carlots sold. **Season average prices 1933-34 through 1938-39, are simple averages of monthly prices; beginning with 1939-40 the season averages are weighted by the monthly volume of cash sales. †5 cars or less sold, subsequently prices may not reflect general price level as there is little or no trading at the terminal market.

PRICES OF U. S. SOYBEANS—(Continued)

SOYBEANS: No. 2 Yellow: Average monthly price per bushel at Illinois country shipping points.
October 1946 - November 1955

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Avg.
Cents Per Bushel													
1946-47	322	317	288	307	320	393	362	312	313	330	317	314	325
1947-48	338	369	394	423	343	352	388	400	414	379	319	273	366
1948-49	243	255	252	240	218	220	215	225	220	250	277	220	236
1949-50	216	210	220	220	225	245	268	290	300	310	275	245	252
1950-51	230	272	295	310	325	325	325	324	304	294	287	277	297
1951-52	280	290	295	290	290	288	282	292	317	322	325	298	297
1952-53	285	289	290	285	282	294	295	287	276	256	255	247	278
1953-54 1/2	257	283	299	303	317	349	380	363	366	370	355	272	326
1954-55	269	262	273	274	274	263	254	246	242	236	239	224	255
1955-56	222	219											

1/2 Prices for Grade No. 1 since October 1953. Since the latter part of September 1953, most of the processors have been buying soybeans on the basis of No. 1 Grade. However, the same price was generally paid for No. 2 Grade provided the degrading factors were either test weight or splits. Discounts were applicable for any of the other degrading factors below No. 1 Grade.



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PRICES OF U. S. SOYBEAN OIL MEAL

SOYBEAN OIL MEAL:

Average Price Per Ton, Bagged, in Carlots, 41 Percent Protein, at Chicago by Months,
Oct. 1929 - Nov. 1955*

Crop Year														Season Ave.**
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.		
DOLLARS PER TON														
1929-30	58.30	54.20	53.05	51.80	48.25	48.20	50.15	50.70	48.75	46.00	47.80	47.50	50.40	
1930-31	44.00	41.20	40.00	39.30	36.60	33.15	31.90	28.60	25.80	24.90	23.35	21.40	32.50	
1931-32	18.60	23.85	23.00	20.45	18.75	18.90	19.90	19.95	20.20	20.05	22.60	23.70	20.85	
1932-33	22.75	21.70	21.70	21.70	21.70	22.60	23.70	28.30	28.85	39.20	39.00	34.85	27.15	
1933-34	31.70	30.15	30.50	30.60	31.50	32.50	33.25	33.60	34.50	34.50	37.75	39.50	33.35	
1934-35	38.50	38.85	41.20	40.70	38.45	37.10	33.80	33.20	31.70	29.05	24.00	22.85	34.10	
1935-36	25.60	24.40	25.50	25.15	23.00	22.70	23.30	24.80	26.10	38.90	44.30	39.70	28.65	
1936-37	26.90	29.15	43.00	44.10	41.50	41.10	47.60	48.35	39.20	37.30	34.90	34.20	40.60	
1937-38	28.80	29.50	28.80	30.00	29.60	28.10	26.00	26.30	25.30	26.95	26.15	27.00	27.70	
1938-39	24.60	24.40	26.20	26.30	24.70	24.45	24.70	26.30	25.95	24.70	25.70	33.70	26.00	
1939-40	28.30	32.70	34.95	33.90	29.95	30.45	29.65	28.65	24.40	22.25	24.60	27.00	28.90	
1940-41	25.90	30.50	29.60	29.75	26.60	26.85	27.50	28.10	29.70	33.80	36.20	41.40	30.50	
1941-42	37.95	39.10	42.50	46.45	46.45	44.85	41.00	38.30	37.90	41.80	42.60	43.50	41.85	
1942-43	42.70	46.60	39.00	39.35	39.60	40.60	40.60	40.55	40.40	40.40	51.90	51.90	42.80	
1943-44	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	52.00	51.90	
1944-45	52.00	52.00	52.00	52.00	52.00	52.00	52.00	62.50	66.00	97.00	93.15	66.00	62.40	
1945-46	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	
1946-47	79.50	93.35	80.70	71.90	65.40	81.05	72.15	68.55	76.30	89.75	91.90	102.70	81.10	
1947-48	91.05	92.90	101.50	110.25	89.00	84.75	86.20	86.60	94.25	96.90	84.40	81.50	91.60	
1948-49	66.80	79.25	78.00	73.45	65.80	67.40	70.55	71.00	73.40	85.55	100.30	83.15	76.40	
1949-50	74.80	69.40	68.80	66.00	65.05	69.65	73.30	82.60	85.15	96.40	78.20	65.85	74.60	
1950-51	64.90	73.35	76.40	77.20	82.55	79.65	75.45	76.55	76.30	80.50	77.40	82.80	76.90	
1951-52	86.25	86.65	86.65	86.65	87.00	87.00	99.65	102.65	106.70	105.05	117.20	103.35	96.25	
1952-53	93.70	88.00	85.05	80.10	78.10	79.10	78.10	79.60	78.50	76.40	73.15	70.65	80.05	
1953-54	68.55	71.20	82.15	84.60	88.10	95.25	106.80	101.35	98.35	104.20	98.35	78.90	89.80	
1954-55	76.00	79.05	79.50	78.35	76.10	72.35	69.85	64.15	62.35	64.60	65.05	70.70	71.50	
1955-56	66.70	59.75												

* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Beginning June 1950, prices are on basis of 44 percent protein. **Simple average for months shown, rounded to nearest five cents.

SOYBEAN OIL MEAL: Prices paid by farmers per 100 pounds for specified feeds, United States, by months, 1947-55

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ave.
1947	\$4.67	\$4.27	\$4.47	\$4.34	\$4.20	\$4.34	\$4.78	\$5.08	\$5.26	\$5.43	\$5.22	\$5.44	\$4.81
1948	5.82	5.24	5.09	5.02	5.06	5.12	5.43	5.08	5.14	4.26	4.38	4.64	5.02
1949	4.48	4.14	4.09	4.15	4.17	4.16	4.57	5.15	5.16	4.69	4.36	4.32	4.45
1950	4.20	4.02	4.11	4.19	4.58	4.73	5.16	5.01	4.44	4.15	4.24	4.34	4.43
1951	4.51	4.54	4.75	4.59	4.65	4.55	4.69	4.74	4.77	4.97	5.10	5.16	4.75
1952	5.20	5.30	5.37	5.41	5.53	5.62	5.69	5.85	6.08	5.80	5.46	5.34	5.55
1953	5.09	4.93	4.91	4.80	4.78	4.74	4.74	4.72	4.60	4.46	4.35	4.78	4.74
1954	4.86	5.01	5.30	5.53	5.99	5.67	5.77	5.80	5.52	4.81	4.77	4.79	5.32
1955	4.76	4.72	4.62	4.49	4.35	4.17	4.17	4.14	4.16	4.32	4.07	3.95	4.32

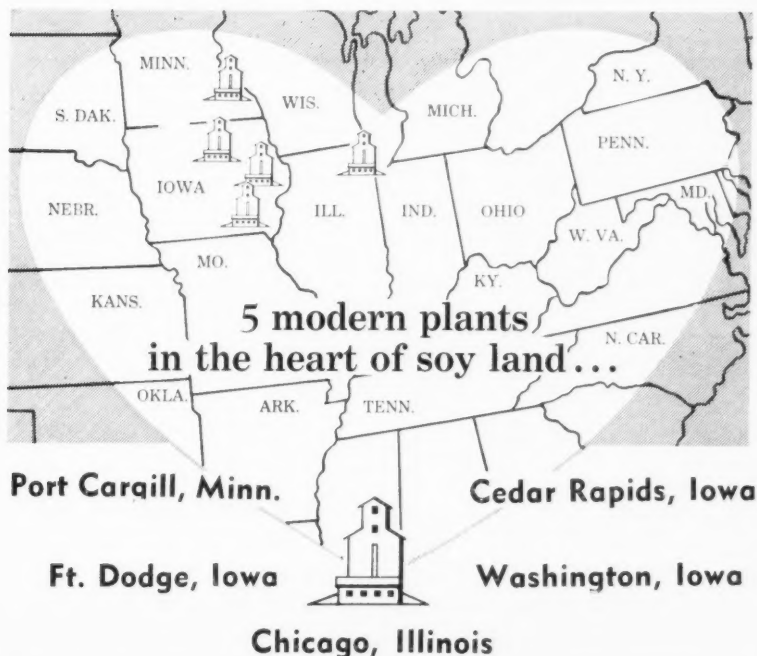
Agricultural Marketing Service, U. S. Department of Agriculture.

LOOK TO CARGILL

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Specialists in soybeans: Five modern plants, located in heavy bean production areas to provide you with faster, easier, more convenient service. Each plant pledged to the highest standards of quality, dependability and service in keeping with the name **Cargill**. We invite you to inquire for our soybean bids and our soybean meal or oil quotations.

Solvent Extraction — Crude degummed and refined Soy Oil.
Quality controlled 44% Protein Meal.



CARGILL

PRICES OF U. S. SOYBEAN OIL MEAL—(Continued)

Soybean Meal, 44 Percent Protein 1/
Average wholesale price per ton, bulk, at Decatur, 1940 to date 2/

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1940-41	19.80	24.40	23.50	23.65	20.50	20.75
1941-42	31.85	33.00	36.40	39.35	39.35	37.75
1942-43	35.60	39.50	31.90	32.25	32.50	33.50
1943-44	45.00	45.00	45.00	45.00	45.00	45.00
1944-45	45.00	45.00	45.00	45.00	45.00	45.00
1945-46	45.00	45.00	45.00	45.00	45.00	45.00
1946-47	71.40	82.90	71.30	64.10	56.00	70.25
1947-48	82.50	82.90	90.40	98.25	78.30	72.30
1948-49	56.25	69.50	67.50	62.70	56.10	56.85
1949-50	62.30	59.20	60.05	55.90	56.45	59.35
1950-51	54.05	61.45	63.70	63.90	69.25	67.00
1951-52	74.00	74.00	74.00	74.00	74.00	74.00
1952-53	81.10	74.75	71.90	67.90	64.90	66.40
1953-54	57.25	59.40	71.60	73.75	77.10	84.50
1954-55	65.25	67.70	68.25	67.10	65.00	61.50
1955-56	56.00	49.00				

Year	Apr.	May	June	July	Aug.	Sept.	Average
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1940-41	21.40	22.00	23.60	27.70	30.10	35.30	24.40
1941-42	33.90	31.20	30.85	34.70	35.50	36.40	35.00
1942-43	33.50	33.50	33.50	33.50	45.00	45.00	35.75
1943-44	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1944-45	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1945-46	45.00	55.50	59.00	89.65	85.00	59.00	55.25
1946-47	64.80	60.10	69.40	81.20	82.55	93.80	72.30
1947-48	75.00	77.15	84.70	86.80	74.70	67.85	80.90
1948-49	61.25	60.40	65.25	74.50	91.60	71.35	66.10
1949-50	62.30	72.75	74.90	86.35	67.30	54.80	64.30
1950-51	62.00	63.40	64.40	68.80	64.60	69.75	64.45
1951-52	3/ 83.90	3/ 88.60	3/ 93.25	3/ 93.10	3/ 103.60	3/ 93.50	83.35
1952-53	64.40	66.25	65.90	65.25	62.00	59.60	67.55
1953-54	95.95	89.40	87.40	92.40	87.60	67.25	78.65
1954-55	59.20	53.40	52.15	53.90	54.30	60.10	60.70

1/ 41 percent 1940-50. 2/ Does not include bagging charges which averaged as follows by years: 1940-41 \$2.50; 1941-42 \$3.00; 1942-46 \$3.50; 1946-50 \$4.50; 1950-52 \$6.00; 1952-53 \$5.00; 1953-54 \$4.50. 3/ Soybean meal mix, Grain Division, Agricultural Marketing Service, U. S. Dept. of Agriculture.

NICKEL PLATE SOYBEANS

In Ohio, 23,031,500 bushels — 77.50% of the entire Ohio crop.

In Indiana, 36,435,500 bushels — 78.98% of the entire Indiana crop.

In Illinois, 53,973,300 bushels — 58.53% of the entire Illinois crop.

A total of 113,440,300 bushels — 33.09% of the entire United States crop, were grown within 25 miles of the Nickel Plate Road.

That is why sites along the Nickel Plate offer ideal locations for soybean processing plants.

We will gladly send you our annual soybean production maps if you wish them.

Industrial Development Department

NICKEL PLATE ROAD

Terminal Tower - Cleveland, Ohio

PRICES OF U. S. SOYBEAN OIL

SOYBEAN OIL, DOMESTIC CRUDE:

Average Price Per Pound in Tank Cars at Midwestern Mills, by Months, Oct. 1929 - Nov. 1955

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season Ave.*
	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents
1929-30	10.7	9.7	8.8	8.4	8.4	8.4	9.0	8.9	8.9	9.3	9.3	9.3	9.1
1930-31	8.8	7.4	6.7	6.4	6.0	5.7	5.8	6.2	5.7	6.1	6.0	5.3	6.3
1931-32	5.1	4.4	3.8	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.4
1932-33	3.4	2.9	3.0	3.0	3.2	3.5	3.4	4.5	6.1	7.4	8.0	6.8	4.6
1933-34	6.0	6.2	6.2	5.6	5.6	5.9	6.0	6.0	5.5	5.8	5.7	5.8	5.9
1934-35	6.1	6.3	7.3	7.8	8.1	9.1	8.4	8.8	8.6	7.8	7.1	7.7	7.8
1935-36	8.1	8.1	8.1	7.6	7.2	6.8	6.8	6.3	6.0	7.9	8.0	8.2	7.4
1936-37	8.0	8.0	9.1	9.8	9.9	9.8	9.8	9.0	8.2	5.2			9.1
1937-38	5.8	5.6	5.2	5.8	6.1	6.4	5.9	5.7	5.2	5.9	5.7	5.2	5.7
1938-39	5.0	5.1	5.1	4.9	4.8	4.9	4.7	4.9	4.8	4.2	4.0	5.6	4.8
1939-40	5.0	4.7	5.3	5.2	5.4	5.6	5.5	5.0	4.7	4.6	4.2	3.9	4.9
1940-41	3.9	4.2	4.5	5.1	5.1	6.1	7.6	8.7	9.6	9.8	9.5	10.5	7.0
1941-42	10.4	9.8	10.1	11.4	11.7	11.8	11.8	11.8	11.6	11.2	11.4	11.7	11.2
1942-43	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1943-44	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1944-45	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1945-46	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1946-47	18.8	24.2	24.6	26.0	28.4	33.6	27.4	21.4	18.2	17.2	15.9	18.8	22.9
1947-48	20.7	25.6	26.2	26.6	19.6	21.4	24.5	26.3	27.3	22.1	22.1	22.8	23.8
1948-49	18.6	19.1	17.3	14.3	12.3	10.8	10.5	10.8	9.4	9.7	12.9	11.4	13.1
1949-50	10.1	9.6	10.2	10.8	11.4	12.8	13.1	13.8	13.2	12.9	14.5	15.0	12.3
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1951-52	13.8	13.2	12.6	11.2	10.7	10.2	9.1	10.1	11.2	11.3	11.5	11.2	11.3
1952-53	10.9	11.8	12.9	12.7	12.6	13.5	13.7	12.3	11.5	10.3	10.8	11.7	12.1
1953-54	13.1	13.6	12.6	12.1	12.5	13.3	14.1	13.9	14.2	14.1	14.8	13.5	13.5
1954-55	12.1	12.2	12.5	12.2	12.2	11.8	11.6	12.2	13.6	11.6	11.3	10.6	11.9
1955-56	10.9	11.0											

* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Monthly prices, Oct. 1929 through Sept. 1938, compiled from Oil Paint and Drug Reporter; Oct. 1938 through Dec. 1952 compiled from The National Provisioner; since February 1953 from Oil Paint and Drug Reporter. ** Simple average for months shown.

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DANNEN



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St. Joseph, Mo.

manufacturers
of
**Dannen 44%
Soybean Oil
Meal . . .
Dannen Feeds**



U. S. PRICE SUPPORT OPERATIONS

U. S. Price Support Operations and Price Analysis

Year beginning Sept. 1	Production	Owned by CCC on Oct. 1	Loans	Under price support Purchase Agreements	Total	% of crop	Deliveries to CCC	Support rate per bu.	Season avg. price rec'd by farmers 2	Price rec'd by farmers as % of parity
	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.	Percent	1,000 bu.	\$	\$	Percent
1932-33	15,158								.529	34
1933-34	13,509								.917	57
1934-35	23,157								.963	55
1935-36	48,900								.714	40
1936-37	33,721								1.250	69
1937-38	46,164								.837	45
1938-39	61,906								.664	38
1939-40	90,141								.802	47
1940-41	78,045								.892	52
1941-42	107,197				149	.1		1.05	1.55	120
1942-43	187,524		3,641		3,641	1.9	953	1.60	1.60	111
1943-44	190,133		261		261	.1	26	1.80	1.81	115
1944-45	192,121		79		79	.04	8	2.04	2.05	126
1945-46	193,167		32		32	.02		2.04	2.08	125
1946-47	303,395		2/ 6,456		2/ 6,456	3.2		2.04	2.57	131
1947-48	186,451	1	2/ 3,536		2/ 3,536	1.9		2.04	3.33	147
1948-49	227,217	0	6,928	4,065	10,993	4.8	10,652	2.18	2.27	94
1949-50	234,194	6,279	11,222	4,839	16,061	6.9	41	2.11	2.16	93
1950-51	299,279	7	14,716	238	14,954	5.0	29	2.06	2.47	96
1951-52	282,477	1	10,759	374	11,133	3.9	57	2.45	2.73	97
1952-53	298,052	1	11,671	2,427	14,098	4.7	3,846	2.56	2.72	95
1953-54	268,528	1,980	30,348	1,442	31,790	11.8	7	2.56	2.73	99
1954-55	341,565	13	37,971	3,470	41,441	12.1	14,520	2.22	2.46	90
1955-56	3 371,276	3/ 1,000					3/ 2.04	3/ 2.10		

1/ State average prices weighted by sales to obtain national average. Prices for years in which there was a substantial volume of unredeemed loans include an allowance for such loans at average loan rates. 2/ Includes processor loans involving 6,448,000 bu. for 1946 crop, and processor loans involving 3,526,000 bu. for the 1947 crop. 3/ Preliminary.

IOWA SOYA COMPANY

Soybean Processors

Redfield, Iowa

44% Hexane Extracted

Soybean Oil Meal

Fine Grind

Regular Grind

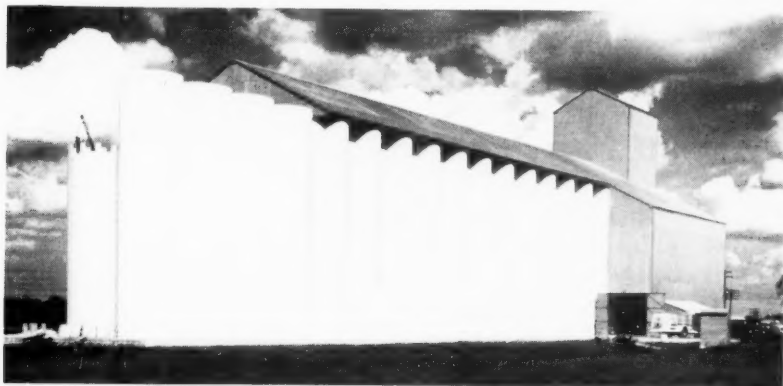
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2677 Princeton, Memphis, Tenn.

or **TEXAS CONCRETE SILO CO.**

Eagle Lake, Texas

SOYBEAN BLUE BOOK



IMPORTS, EXPORTS, SOYBEANS AND OIL

UNITED STATES: Trade in soybeans and oil and total trade in fats and oils, oil equivalent, annual 1950-54 and January-October 1955

Calendar Year	Exports 1			Imports	
	Total fats and oils	Soybeans and soybean oil	Percentage soybeans and oil	Total fats and oils	Soybeans and soybean oil
	1,000 Pounds	1,000 Pounds	Percent	1,000 Pounds	1,000 Pounds
1950	2,025,032	491,105	24.3	1,340,643	30
1951	2,445,945	756,408	30.9	1,305,309	15
1952	2,278,164	459,418	20.2	978,542	6
1953	2,607,228	477,926	18.3	1,000,209	36
1954	2/ 3,818,645	544,168	14.3	991,212	188
1955: Jan.-Oct.	2/ 3,173,691	510,247	16.1	905,832	8

1/ Figures include primary fats and oils, secondary fats and oils, butter, oil equivalent of oilseeds, oil equivalent of fats and oils products such as soap, shortening, etc., "Cere." Section 416, and re-exports. They do not include shipments. 2/ Preliminary. U. S. Department of Agriculture, Foreign Agricultural Service, Fats and Oils Division.

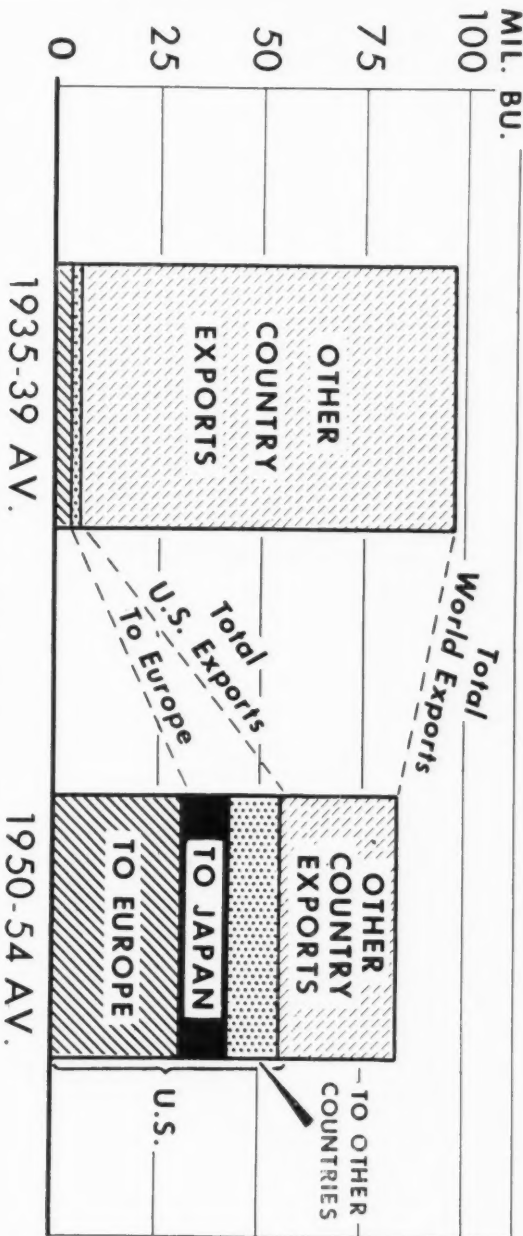
UNITED STATES: Exports of soybeans and soybean oil and total exports in soybean equivalent, crop years October-September 1952-1953, 1953-1954 and 1954-1955

Country of destination	1952-1953			1953-1954 1)			1954-1955 1)		
	Soybeans	Soybean oil 2)	Total soybean equivalent	Soybeans	Soybean oil 2)	Total soybean equivalent	Soybeans	Soybean oil 2)	Total soybean equivalent
	1,000 bushels	1,000 pounds	1,000 bushels	1,000 bushels	1,000 pounds	1,000 bushels	1,000 bushels	1,000 pounds	1,000 bushels
Canada	4,520	16,493	6,167	4,708	15,301	6,165	8,107	31,187	10,218
Cuba	4)	4,088	408	4)	3,238	310	4)	5,614	512
Haiti	—	789	79	—	341	32	—	530	48
Mexico	4)	21	3	—	192	18	4)	294	27
Netherlands Antilles	—	100	10	—	6	4)	—	283	26
Panama	—	—	—	—	—	—	—	—	—
Republic of Chile	—	244	24	—	179	16	—	80	7
Colombia	—	—	—	—	278	26	—	322	29
Peru	—	1,426	142	—	32	3	—	829	75
Venezuela	—	21	2	—	148	14	—	7	1
Belgium	—	—	—	—	—	—	—	354	32
Luxembourg	1,058	856	1,143	674	903	760	714	47	719
Denmark	1,448	—	1,448	612	—	612	2,886	—	2,886
Finland	—	—	—	—	—	—	164	—	164
France	218	1,298	338	881	413	920	2,370	1,064	2,467
Germany	—	—	—	—	—	—	—	—	—
Republic of Greece	1,595	28,623	4,451	4,821	19,992	6,725	8,143	3,185	8,433
Iceland	4)	333	33	—	268	26	—	9,426	858
Italy	—	4,966	496	4)	423	41	30	221	20
Netherlands	2,723	17,513	4,471	5,885	20,796	7,866	7,308	—	7,308
Norway	676	—	676	559	—	559	816	—	816
Sweden	—	—	—	—	—	—	320	—	320
Switzerland	—	3,349	334	21	5,784	571	373	91	381
United Kingdom	84	1,631	247	1,563	901	1,649	1,794	105	1,801
Hong Kong	4	6	4	261	—	26	32	—	32
Israel	—	2,720	945	54	35	37	2,576	—	2,576
Japan	14,808	—	14,808	16,021	35	16,024	20,022	243	20,044
Korea	526	—	526	176	—	176	115	—	115
Philippines	136	21	138	129	11	130	89	45	63
Taiwan (Formosa)	3,553	2,400	3,793	3,219	—	3,219	4,179	—	4,179
Algeria	—	1,674	167	22	119	31	104	—	104
French Morocco	—	—	—	—	1,478	141	19	4,854	461
Tangier	—	127	13	—	58	6	—	500	46
Union of South Africa	—	372	37	—	655	62	—	489	45
Other Countries	185	5,580	743	57	408	99	18	3)	628
Total	31,908	94,565	41,346	39,663	72,005	46,521	60,149	3)	52,398
									64,921

1) Preliminary. 2) Crude and refined oil in terms of crude oil. 3) Revised. 4) Less than 500 bushels. Compiled from official sources: U. S. Department of Agriculture, Foreign Agricultural Service, Fats and Oils Division.

UNITED STATES SOYBEAN EXPORTS GROW

Soybeans: World and United States Exports



* SOYBEANS AND SOYBEAN OIL, BEAN EQUIVALENT BASIS

USDA

SOYBEAN EXPORTS—(Continued)

SOYBEANS: Inspections for overseas export by ports, by country of destination 1/

October-September 1954-55

(All data in bushels)

Country	Albany	New York	Philadelphia	Baltimore	Norfolk	New Orleans	Mobile	Other Ports	Total
Algeria	--	--	--	--	--	60,627	--	--	60,627
Belgium	--	--	252,000	499,370	1,122,224	620,709	18,667	--	2,512,968
Denmark	--	73,449	130,266	522,669	1,373,622	550,399	149,334	--	2,709,739
Finland	--	--	--	--	163,531	--	--	--	163,531
Formosa	--	--	--	--	--	3,933,261	--	--	3,933,261
France	--	--	74,666	171,734	286,617	1,145,824	--	--	1,678,841
French Morocco	--	--	18,667	--	--	--	--	--	18,667
Germany	76,160	18,640	401,735	804,128	1,080,523	3,213,485	365,237	--	5,959,908
Holland	69,856	--	360,264	1,473,395	1,254,738	4,733,874	308,561	--	8,200,688
Israel	--	--	--	--	723,147	348,000	1,015,887	--	2,087,034
Italy	--	--	--	--	--	28,800	--	--	28,800
Japan	--	--	158,564	27,440	482,376	19,567,163	510,523	--	20,746,006
Korea	--	--	--	--	115,081	644,146	--	--	759,227
Norway	--	--	--	89,642	736,080	--	--	--	815,722
Philippines	--	--	583	31,360	--	--	--	--	31,943
Portugal	--	--	--	42,964	--	--	--	--	42,964
Palestine	--	--	--	--	--	289,085	--	--	289,085
Sweden	--	--	--	--	149,333	--	--	--	149,333
United Kingdom	--	--	175,030	541,295	481,411	745,546	--	--	1,943,282
Other	--	--	112,000	--	599,726	--	--	--	711,726
Total	146,016	92,089	1,683,715	4,203,967	8,558,409	35,880,917	2,368,209	--	52,933,352
1951-52	--	--	391,437	2,394,177	1,226,137	7,121,039	802,667	40,885	11,976,342
1952-53	--	--	1,731,367	3,787,315	2,130,961	15,327,002	4,485,478	9,354	27,471,677
1953-54	266,162	180,964	2,739,590	5,321,044	4,704,931	15,113,638	4,933,816	1,734,425	34,994,570

AMS—Grain Division. 1. Data are based on weekly reports of inspections by licensed grain inspectors for overseas export and do not include rail and truck movement. NOTE: Official exports of soybeans during the 1954-55 crop year as reported by the Bureau of the Census totaled 60.1 million bushels. A major portion of the difference between 52.9 million bushels reported inspected for overseas export and the 60.1 million represents shipments to Canada or Mexico.

IMPORTS, EXPORTS CAKE AND MEAL

OILSEED CAKE AND MEAL: Imports and Exports, United States, year beginning October 1920-54

Year beginning October	Imports					Exports					Total
	Cotton-seed cake and meal	Soy-bean cake and meal	Lin-seed cake and meal	Pea-nut cake and meal	Copra cake and meal	Cotton-seed cake and meal	Soy-bean cake and meal	Lin-seed cake and meal	Pea-nut cake and meal	Copra cake and meal	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1929	18.5	73.5	31.5	78.3	16.3	148.1	126.2	*	232.2	*	358.4
1930	3	24.0	10.1	42.2	10.9	47.5	55.1	*	204.9	*	260.0
1931	1.1	18.6	12.3	42.3	4.6	38.9	218.9	*	169.2	*	388.1
1932	3.0	28.3	11.2	42.3	7.1	51.9	145.8	*	168.0	*	313.8
1933	5.0	25.0	8.7	1.2	27.9	67.8	63.1	*	241.7	*	304.8
1934	47.4	64.2	10.2	3.5	51.5	176.8	2.9	*	205.5	*	208.4
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	*	210.6	*	221.2
1936	26.8	55.7	15.9	9.6	73.0	181.0	12.6	*	328.8	*	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	*	240.3	*	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	35.0	286.6	*	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	62.3	146.7	*	213.9
1940	52.2	8.1	6	7.5	84.0	152.4	9	25.4	4.8	*	31.1
1941	37.3	0	2	7.1	22.6	67.2	1.1	19.7	11.1	*	31.9
1942	46.8	0	1.0	4.6	0	52.4	1.7	20.9	4.2	.1	27.0
1943	96.3	0	2.5	3.6	0	102.4	6	16.1	1.5	.1	18.4
1944	87.4	0	10.9	2.5	.1	100.0	4	10.0	.7	.4	11.2
1945	47.6	4	1.2	3.1	1.5	53.4	4	.9	.3	.1	1.4
1946	15.6	0	4	1.1	.5	17.2	5.3	141.7	4.6	26.2	182.9
1947	13.8	0	8.8	3.1	7.0	32.7	9.6	95.7	28.5	3.7	137.5
1948	39.4	3.2	8.1	.9	44.3	95.9	121.7	150.1	54.0	21.1	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	226.4
1950	90.7	32.8	1.0	1.1	65.8	191.4	115.2	181.1	29.2	24.0	247.8
1951	201.9	24.1	23.3	5.2	104.2	358.7	35.0	41.8	7.0	2.2	86.0
1952	135.6	41.1	26.4	3.5	96.5	303.1	55.2	46.8	4	4	102.0
1953	69.8	15.6	6	.7	79.8	166.5	63.2	66.5	31.0	1.4	162.2
1954	32.3	0	0	0	62.8	95.1	167.5	273.3	76.2	1.6	518.6

*Calendar year following. *Not separately reported. †Less than 50 tons. Compiled from data of the Bureau of Foreign and Domestic Commerce, and Bureau of the Census. Table prepared by the Agricultural Marketing Service, U. S. Dept. of Agriculture.

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LEADING SOYBEAN VARIETIES

Characteristics and performance of most widely grown varieties. List prepared by agronomists in soybean producing states.

NORTHERN VARIETIES

(Listed in order of maturity)

Acme is approximately 10 days earlier than Flambeau. It has gray pubescence (short hairs on stems, leaves and pods), purple flowers and yellow seed and hilum (seed scar). Normally two to three seeds per pod. Grows erect, strong straw.

Flambeau, developed by the Wisconsin Agricultural Experiment Station from a Russian introduction; released in 1944; the earliest maturing recommended variety grown in the United States. Brown pubescence, purple flowers, yellow seeds with a black hilum.

Goldsoy, developed by the Ontario Agricultural College as a selection from O.A.C. No. 211; released about 1940; matures 2 days later than Flambeau; characterized by poor resistance to lodging. Gray pubescence, purple flowers, yellow seeds with a yellow hilum.

Norchief, developed by the Wisconsin Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Flambeau x Hawkeye; released in 1954; matures 1 day later than Goldsoy; an erect, high-yielding, high-oil-content variety for the far northern United States. Brown pubescence, purple flowers, yellow seeds with a black hilum.

Comet, developed by the Division of Forage Plants, Central Experimental Farm, Ottawa, Ontario, Canada, from the cross Pagoda x Mandarin; released in 1954; matures 2 days later than Norchief. Gray pubescence, purple flowers, yellow seeds with a yellow hilum.

Grant, developed by the Wisconsin Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory, from the cross Lincoln x Seneca; released in 1955; matures 2 days later than Comet; a high-yielding, high-oil-content variety with medium lodging resistance. Light brown pubescence, white flowers, yellow seeds with a black hilum.

Mandarin (Ottawa), developed by the Central Experimental Farm, Ottawa, Ontario, Canada, as a selection from Mandarin; released about 1930; matures at the same time as Grant. Gray pubescence, purple flowers, yellow seeds with a yellow hilum.

Hardome, developed by the Dominion Experimental Farm, Harrow, Ontario, Canada, from the backcross Mandarin x (Mandarin x A.K.); released in 1953; matures at the same time as Grant and Mandarin (Ottawa). Gray pubescence, purple flowers, yellow seeds with a gray hilum.

Capital, developed by the Central Experiment Farm, Ottawa, Ontario, Canada, from the cross of strain No. 171 x A.K. (Harrow); released in 1944; matures 1 day later than Grant; has tendency to lodge. Brown pubescence, purple flowers, yellow seeds with a light brown hilum.

Chippewa, developed by the Illinois Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the backcross Lincoln x (Lincoln x Richland); released in 1954; matures 2 days later than Capital; has high yield and high oil content with good

resistance to lodging and good seed quality. Brown pubescence, purple flowers, yellow seeds with a black hilum.

Renville, developed by the Minnesota Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the backcross Lincoln x (Lincoln x Richland); released in 1952; matures at the same time as Chippewa. Gray pubescence, white flowers, yellow seeds with a light brown hilum.

Harly, developed by the Dominion Experimental Farm, Harrow, Ontario, Canada, from the cross Mandarin x A.K. (Harrow); released in 1948; matures 1 day later than Renville; a tall variety with good lodging resistance and good seed quality, but with low oil content. Gray pubescence, purple flowers, yellow seeds with a yellow hilum.

Monroe, developed by the Ohio Agricultural Experimental Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Mukden x Mandarin; released in 1949; matures 2 days later than Harly. Gray pubescence, white flowers, yellow seeds with a yellow hilum.

Blackhawk, developed by the Iowa Agricultural Experimental Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Mukden x Richland; released in 1951; matures 2 days later than Monroe. Gray pubescence, white flowers, yellow seeds with a light brown hilum.

Earlyana, developed by the Purdue Agricultural Experiment Station as a selection from a natural cross in the Dunfield variety; released in 1943; matures 2 days later than Blackhawk; has a tendency to lodge excessively. Brown pubescence, purple flowers, yellow seeds with a yellow hilum.

Harosoy, developed by the Dominion Experimental Station, Harrow, Ontario, Canada, from the backcross Mandarin x (Mandarin x A.K.); released in 1951; matures 1 day later than Earlyana; characterized by consistently high yield in its area of adaptation. Gray pubescence, purple flowers, yellow seeds with a yellow hilum.

Hawkeye, developed by the Iowa Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Mukden x Richland; released in 1948; matures 3 days later than Harosoy; characterized by good yield, exceptionally high lodging resistance, good seed quality, and high oil content. Gray pubescence, purple flowers, yellow seeds with a black hilum with brown outer ring.

Harman, developed by the Dominion Experimental Farm, Harrow, Ontario, Canada, as a selection from the variety Manchou; released in 1944; matures about the same time as Hawkeye. Brown pubescence, purple flowers, yellow seeds with a black hilum.

Adams, developed by the Iowa Agricultural Experimental Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Illini x Dunfield; released in 1949; matures 3 days later than Hawkeye; very high oil content and good yield. Gray pubescence, white flowers, yellow seeds with a light brown hilum.

Lincoln, developed by the Illinois Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Mandarin x Manchou; released in 1944; matures 3 days later than Adams. Brown pubescence, white flowers, yellow seeds with a black hilum.

NORTHERN VARIETIES—

(Continued)

Clark, developed by the Illinois Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the backcross Lincoln x (Lincoln x Richland); released in 1953; matures 5 days later than Lincoln; characterized by exceptionally high yield in its area of adaptation, with good resistance to lodging and good oil content. Brown pubescence, purple flowers, yellow seeds with black hilum.

Wabash, developed by the Purdue Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Duntield x Mansoy; released in 1949; matures a day later than Clark. Gray pubescence, white flowers, yellow seeds with a light brown hilum.

Chief has averaged approximately a week later in maturity than Lincoln, grows tall and is characterized by relatively poor resistance to lodging, gray pubescence, purple flowers, and normally two- to three-seeded pods. Chief beans are straw yellow and have a slate colored hilum with a brown outer ring.

Perry, developed by the Purdue Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory from the cross Patoka x L37-1355; released in 1952; matures 5 days later than Wabash. Gray pubescence, purple flowers, yellow seeds with a black hilum with brown outer ring.

SOUTHERN VARIETIES

(Listed in order of maturity)

Dorman has averaged 7-10 days later than Perry and 14-18 days earlier than Ogden. Dorman is best adapted on the heavy clay Mississippi Delta soils of southeastern Missouri, Arkansas, Mississippi, and northeast Louisiana. It is also well adapted for production in the northeast quarter of Oklahoma, western Tennessee, and in the Coastal Plain area of Virginia. In these areas, Dorman yields will equal or surpass those for Ogden.

In its area of best adaptation, Dorman is of moderate height, but as it is moved farther north it grows taller and lodging is increased. In the Ohio Valley of Kentucky and on the eastern shore of Maryland, lodging is frequently greater than is desired unless planting rate is held down to 6 to 9 seeds per foot of row. Dorman holds its seed well, has yellow seed of excellent quality and is high in oil content. The plants have heavy foliage and medium-sized stems, which dry out uniformly at maturity.

The primary advantage of an early variety such as Dorman, where later varieties can be grown, is to lengthen the harvest period and thus permit harvesting a greater acreage per combine. Production of varieties differing in

maturity also distributes weather hazards of production and harvesting.

Dorman has white flowers, gray pubescence, a light pod wall and the seed has a light brown hilum.

S-103 is comparable to Dorman in maturity. It has given its best performance in southeastern Missouri. In more southern or eastern areas, S-100 has a tendency to produce plants with heavy stems which remain green after the seed is mature. This causes difficulty in combining. Its tall, narrow growth type does not shade out weed growth during the latter part of the growing season. S-100 averages lower in oil content than any other commonly grown varieties. Seed quality is frequently very poor. S-100 has white flowers, gray pubescence, a dark gray pod wall, and the seed has a brown hilum.

Dortchsoy 67 averages approximately 5 days later in maturity than Dorman. Dortchsoy 67 is, in general, adapted to the same production area as Dorman. It has heavy foliage and gives good ground cover during the growing season. Stems are of moderate size. Seed is yellow and usually of good quality. Dortchsoy 67 does not hold its seed as well as Dorman. Dortchsoy 67 has white flowers, gray pubescence, a dark gray pod wall, and seed has a light brown hilum.

Ogden has been the most widely grown variety in the South but is rapidly being replaced by newer varieties. Under dry conditions, Ogden shatters readily. Seed of Ogden has green seedcoats which are not desired by some foreign markets. The moderate height of Ogden makes it easy to combine. Its heavy foliage aids appreciably in keeping down late season weeds and grasses.

The Ogden selections Dortchsoy 2 and Hale Ogden 2 are similar to the Ogden variety. Ogden has purple flowers, gray pubescence, a dark gray pod wall and the seed has a dark brown hilum.

Lee is a new variety similar in plant type to Ogden, but averages 5-7 days later in maturity. Lee is superior to Ogden in seed holding, seed quality, and seed yield. It has shown very little shattering 8 to 10 weeks after maturity. It is resistant to the diseases bacterial pustule, wilt-tie, rooye, and purple seed stain. It is moderately resistant to the leaf disease target spot.

Lee is adapted to the same general area as where Ogden has been grown, except that its superior seed holding qualities will permit it to be grown on the high plains of Texas and the irrigated valleys of southern California and Arizona. Lee will be rather short for production on the lighter soils of south Alabama and west Florida.

Lee has purple flowers, tawny pubescence, a light tan pod wall, and the seed is yellow with a black hilum.

Roanoke averages 7-9 days later than Lee and grows 8-10 inches taller. In areas where Lee makes adequate growth, Roanoke will average lower in yield. As Lee replaces Ogden as a

BEST ADAPTED VARIETIES

The map on opposite page shows the latest recommendations of agronomists in the soybean growing regions of the United States. Do not plant varieties north or south of their recommended latitudes.

SOUTHERN VARIETIES—

(Continued)

major variety, there is less need for a later-maturing variety because of the seed-holding qualities of Lee.

Because of its taller growth, Roanoke is preferable to Lee on the lighter soils of south Alabama and west Florida and in extremely late plantings in more northern areas.

Roanoke has white flowers, gray pubescence, a dark gray pod wall, and the seed is yellow with a light brown hilum.

Volstate is similar in general appearance and maturity to Roanoke but has averaged lower in both yield and oil content.

Jackson is a recently released variety, well adapted for production in south Mississippi, south Alabama, west Florida, and the Upper Coastal Plain soils of North Carolina, South Carolina and Georgia. Jackson is 1 or 2 days later than Roanoke and 10 days later than Lee. It grows slightly taller, but stands better than Roanoke. In its area of best adaptation, Jackson will usually yield slightly more than Lee and its taller growth permits greater ease in combining. Jackson is well suited for growing after oats or lupines.

Jackson yields well in the Delta area, but its taller growth makes it more difficult to combine than Lee. It is moderately resistant to target spot and has a lower degree of susceptibility to wildfire than other commonly grown varieties. Jackson will usually hold its seed very well for several weeks after reaching combine ma-

turity, but under drouthy conditions on light soil, it has shown some tendency to shatter.

Jackson has white flowers, gray pubescence, a dark gray pod wall, and the yellow seed has a brown hilum.

CNS matures approximately 3 days later than Jackson. Seed yield is usually less than that for Lee or Jackson, except in central Florida. CNS holds its seed quite well. Seed is much lower in oil content than other commonly grown varieties.

CNS-4 is similar in its characteristics and performance to CNS, except that seed of CNS has a brown hilum and CNS-4 has a black hilum. Both strains are of moderate height.

CNS-24, or sometimes referred to as **Clemson Strain 24**, is similar to CNS in maturity and many of its characteristics, but grows much taller.

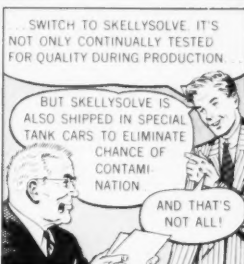
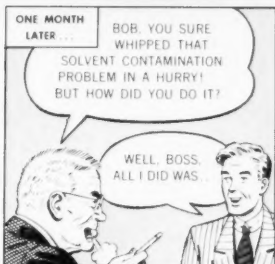
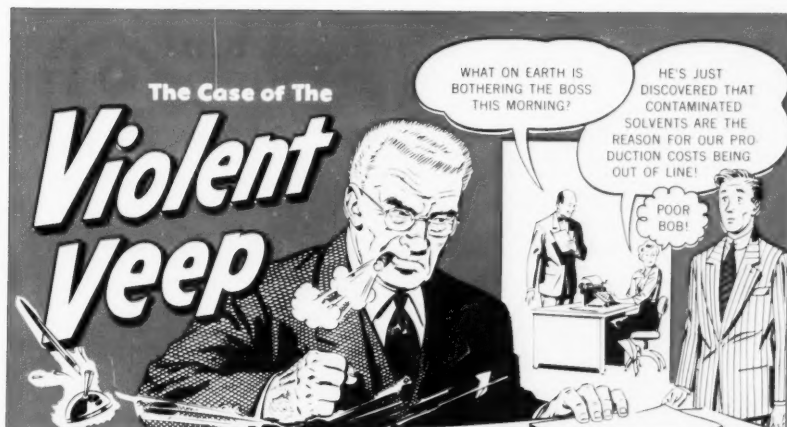
J.E.W. 45 matures 6-8 days later than Jackson. It makes moderate growth and produces good seed yields in the lower Southeast. J.E.W. 45 has purple flowers, tawny pubescence, a light tan pod wall, and has yellow seed with a brown hilum.

Improved Pelican is a late-maturing, rank growing variety developed primarily to produce a heavy tonnage of green material for turning under in sugar cane fields. Because of its rank growth, Improved Pelican is difficult to combine, especially if planted too early. When planted in late June or early July, Improved Pelican can be combined with greater ease and will produce good yields of high quality seed. It has purple flowers, tawny pubescence, a brown pod wall, and yellow seed with a brown hilum.

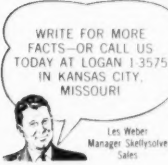
DISEASE RESISTANT VARIETIES ADAPTED TO THE MAJOR SOYBEAN-GROWING REGIONS OF THE UNITED STATES, 1954 (1)

Region	Most prevalent diseases	Diseases to which varieties are resistant	Available Resistant Varieties
Northern: (Includes Michigan, Minnesota, New York, North Dakota, South Dakota, and Wisconsin)	Bacterial blight, seedling blight, root rot, stem canker, pod and stem blight, brown stem rot, downy mildew, Phylosticta leafspot, mosaic, yellow mosaic, bud blight.	Bacterial blight. Stem canker.	Flambean and Hawk eye. Harosoy.
Central: (Includes Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Missouri, Nebraska, New Jersey, Ohio, Pennsylvania, and West Virginia)	Bacterial blight, bacterial pustule, wildfire, seedling blight, root rot, stem canker, pod and stem blight, brown stem rot, downy mildew, Phylosticta leafspot, frog-eye, brown spot, purple seed stain, mosaic, yellow mosaic, bud blight.	Bacterial blight. Stem canker. Frogeye. Downy mildew.	Hawkeye. Harosoy. Adams, Clark, Lincoln, and Wabash. Chief and Dunfield.
Southern: (Includes Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia)	Bacterial blight, bacterial pustule, wildfire, seedling blight, root rot, pod and stem blight, sclerotial blight, downy mildew, Phylosticta leafspot, frog-eye, brown spot, target spot, purple seed stain, mosaic, root knot nematode.	Bacterial pustule. Wildfire. Frogeye. Target spot. Downy mildew. Purple seed stain. Root knot.	Lee and Ogden. Lee and Ogden. Dorman, Jackson, Lee, Ogden, and Roanoke. Jackson, Lee, and Ogden. Acadian and Dorman. Jackson, Lee, and Roanoke. Jackson and Lee.

(1) The varieties listed may not be adapted to your particular locality and they differ in resistance to various diseases. Consult your State Agricultural Experiment Station for local recommendations. Supplied by K. W. Kreitlow, U. S. Department of Agriculture.



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ALABAMA

Birmingham—FARMERS & GINNERS COTTON OIL CO., Box 1408, Ave. F and 8th St. (1) S. J. V. Kidd; (2) E. P. Kidd; (3, 8) J. W. Kidd; (5, 4) C. L. Alsbrook; (7) E. A. Christie. Storage cap. 400,000 bu. 41% soybean oil meal. Served by BB, L&N RR.

Birmingham—SOUTHERN COTTON OIL CO., 4601 Georgia Rd. Ph. 9-2105. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) T. C. Gooch; (9) S. F. Hasey.

Cullman—SOUTHERN COTTON OIL CO., P. O. Drawer 382, Ph. 960. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. Dist. mgr., J. S. Long. 8 hydraulic pr., cap. 70 t. "Sco-Co" 45% protein soybean oil meal. Served by L&N RR.

Dothan—DOTHAN OIL MILL CO., P. O. Drawer 458. Ph. LD 1, 28800, 30900, 39840. (1) J. H. Bryson; (2, 5) J. H. Bryson, Jr.; (3, 4) W. D. Malone; (6, 8) J. B. Roberts; (7) E. L. Dillard; (9) R. R. Windsor. 2 screw pr., Anderson Exsolex process, hexane solv., cap. 90 t. Storage cap. 4,000 t. Served by ACL, CG, A&SA RR.

Foley—BALDWIN OIL MILLS, INC. Ph. 8901. Affiliate of Sessions Co. (1) H. M. Sessions; (2) W. H. Reimer; (3, 5, 6, 8, 9) E. E. Purvis, Jr.; (4) Paul Kaiser, Jr.; (7) Harold Adcock. Hexane solv., cap. 65 t. Storage cap. 198,000 bu. "Baldwin Oil Mills" soybean oil meal; "Gateway" mixed feeds. Served by L&N RR.

Headland—HOME FERTILIZER & COTTON OIL CO.

Montgomery 1—BUCKEYE CELLULOSE CORP. Dist. mgr., J. M. Sewell; (7) P. W. Anderson.

Selma—BUCKEYE CELLULOSE CORP. Dist. mgr., J. A. Bates; (7) G. W. French.

ARKANSAS

Blytheville—SWIFT & CO. Main office Chicago. (7) L. S. Janet; (9) J. E. Dicks. "Swift's" soybean oil meal.

Fort Smith—FORT SMITH COTTON OIL CO., INC., S. 6th and 1st St., P. O. Box 819. Ph. 2-0311, 2-0351. (1) and gen. mgr., W. H. Lillard; exec. vice pres. and mgr. feed and fertilizer div., M. E. Vaughan. 6 exp., 16 hydraulic pr. On MP and SLSF RR sidings.

Helena—HELENA COTTON OIL CO., INC. Ph. 4-2323. (1) O. W. Howe; (3) T. R. Kelly; (9) Joe C. Brady. Hexane solv., cap. 100 t. Storage cap. 1,000,000 bu. "Heleo" soybean oil meal and pellets. Served by MP, IC RR.

Little Rock—BUCKEYE CELLULOSE CORP. Dist. mgr., F. H. Jarrell; (7) R. L. Stokes.

Little Rock—ROSE CITY COTTON OIL MILL CO., Box 753. (1) A. B. Cobb; (2) W. G. Alexander; (3) W. F. Bates; (4) W. M. Bruce, Jr.; (7) Louis S. Ozuts. 10 hydraulic pr., cap. 65 t. Storage cap. 150,000 bu. "Sure Shot" soybean oil meal. Served by MP, RI, SSW RR.

Little Rock—SOUTHERN COTTON OIL CO. Ph. 27-9277; LD 11, 144, 159. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) R. R. Castillow; (9) C. M. Smith. 6 exp. "Sco-Co" soybean oil meal. Served by MP RR.

Newport—SOUTHERN COTTON OIL CO. Ph. 872; LD 9, 5. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) N. L. Pugh, Jr.; (9) J. E. Doherty. Served by MP RR.

Osceola—OSCEOLA PRODUCTS CO. (1) D. S. Laney; (2) C. F. Tompkins; (3, 4, 5, 6, 8, 9) Ralph Woodruff; (7) O. M. Beckham. Allis-Chalmers hexane solv., cap. 125 t. Storage cap. 800,000 bu. "Osceola" soybean oil meal and pellets. Served by SLSF RR.

Pine Bluff—PLANTERS FERTILIZER & SOYBEAN CO., 1021 E. 5th Ave. Ph. 165, 166; LD 61. (5) and mgr., Geo. H. Dunklin; asst. mgr., Wm. H. Dunklin; (7) J. R. Huneycutt. 4 screw pr., cap. 80 t. Storage cap. 175,000 bu. "Razor-back" soybean oil meal. Served by MP, SSW RR.

West Memphis—PERKINS OIL CO. Office, P. O. Box 152 Memphis, Tenn. Ph. Memphis 5-4040. (1) T. C. Lee; (2) I. J. Lichterman; (3, 4) W. A. Loewenberg; (7) C. H. Caldwell; (8) H. D. Tobias; (9) F. H. Ferrell. 4 screw pr., cap. 120 t. Storage cap. 750,000 bu. "Goldenrod" soybean oil meal. Served by SLSF, MP, RI RR.

Wilson—BUCKEYE CELLULOSE CORP. Dist. mgr., C. H. Buchanan; (7) W. M. Campbell.

Wilson—WILSON SOYA CORP. Ph. 2921, 2481. (1) R. E. L. Wilson III; (2) R. E. L. Wilson, Jr.; (3, 4) Hudson Wren; (5, 6, 8, 9) R. A. Pratt; (7) W. A. Blann. Hexane solv., cap. 100 t. Storage cap. 1,000,000 bu. "Wil Soya" soybean oil meal and pellets. Served by SLSF RR.

CALIFORNIA

Buena Park—GLIDDEN CO. Main office Chicago. (5, 7, 8) W. W. Stephens; (6) Gerald Daleiden; (9) E. T. Wilhelm. Screw pr. and ext. Storage cap. 500,000 bu. "Torch" soybean oil meal.

Long Beach—SPENCER KELLOGG & SONS, INC. Main office, 98 Delaware Ave., Buffalo 5, N. Y. (7) A. Spanur. Expeller. 44% protein soybean oil meal. Served by UP RR.

Los Angeles 58—CALIFORNIA COTTON OIL CORP., 2301 E. 52nd St. Ph. LO-81581. (1) R. F. Ingold; exec. vice pres., W. B. Coherly, Jr.; (2) Robert Ingold; (3, 4) D. E. Budd; (5, 6) Wiley Blair, 3rd; (7) H. F. Crossno. 12 screw pr., cap. 240 t. Storage cap. 500,000 bu. "Calico" soybean oil meal; pellets. Sporadic soybean operations. Served by SP RR.

Master Mix
**COMPLETE FEEDS
 and CONCENTRATES**



FOR QUALITY

**Central Soybean Oil
 Central Lecithin
 Central New Process
 Soybean Meal**

CENTRAL SOYA CO., INC.
FORT WAYNE, INDIANA



Modernize

your oil mill operation
with the best

FRENCH **OIL EXTRACTION EQUIPMENT**

French extraction equipment consistently produces highest yields of the best quality oil and meal . . . with lower operating costs for each ton of product.

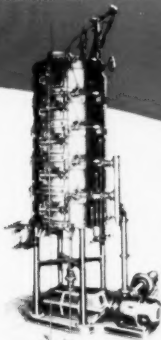
French Screw Presses, Cookers and Cooker-Dryers, Solvent Extraction Systems, Desolventizer-Toasters and Flaking and Crushing Rolls are able to produce superior products at lower cost because French engineers have achieved an unusual degree of mechanical perfection. This French mechanical dependability assures maximum number of operating days per year . . . at low day-to-day operating costs . . . with an absolute minimum of maintenance. French designs—backed by experience covering more than a half century—incorporate many special features that enable you to obtain every possible ounce of product.

The world's largest manufacturer of vegetable oil processing machinery and solvent extraction plants, French has more than twice as many full size extraction plants operating as any other equipment manufacturer in this country. And each year, these

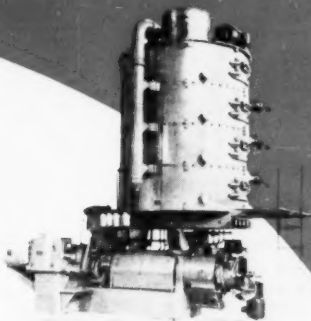
French plants process almost as much oil tonnage as all others combined.

EXTRACTORS AND ACCESSORY EQUIPMENT FOR PROCESSING

FOR

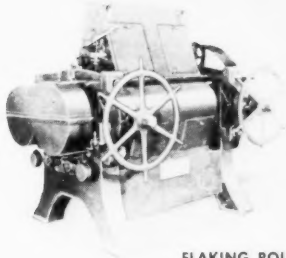


DESOLVENTIZER-TOASTER



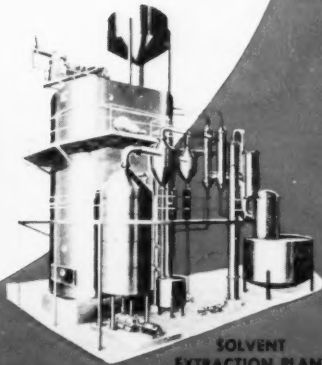
MECHANICAL SCREW PRESS
WITH COOKER-DRYER

Because it manufactures all types of equipment for the oil milling industry, French is in a position to give every oil mill operator reliable and impartial advice on the type of equipment to best meet his needs. To further assure that advice and help are available when you need it, French maintains the largest service organization in its field devoted exclusively to the oil milling industry. See French first—for the best in oil milling equipment.



FLAKING ROLLS

THE FRENCH OIL MILL
MACHINERY COMPANY
PIQUA, OHIO U.S.A.



SOLVENT
EXTRACTION PLANT

EVERY TYPE OF OLEAGINOUS SEED AND NUT

PROCESSORS—(Continued)

Los Angeles 22—PACIFIC NUT OIL CO., 4615 Bandini Blvd. Ph. Angelus 1-0113. Office 2301 E. 52nd St. Subsidiary of California Cotton Oil Corp. (1) W. B. Coberly, Jr.; (2) D. L. Allison; (3) Robert Ingold; (4) C. W. Allison; (5, 6) Wiley Blair, 3rd; (7) Wm. D. Horne, 8 exp. cap. 160 t. Storage cap. 650,000 bu. Sporadic soybean operations. Served by ATSF, UP RR.

Norwalk—LIBERTY VEGETABLE OIL CO., P. O. Box 125. Ph. Logan 5-3001 Los Angeles. Subsidiary of Iowa Milling Co., Cedar Rapids, Iowa. (1, 5, 6) I. D. Sinaiko; (2) Joe Sinaiko; (3) Samuel Maslon; (4, 8, 9) Wm. Sinaiko; (7) Gordon Lamberton. 4 screw pr., cap. 85 t. Storage cap. 175,000 bu. "Liberty" soybean oil meal. Served by SP RR.

Oakland—ALBERS MILLING CO., 2700 7th St. Ph. Templebar 2-4750. Office 5045 Wilshire Blvd., Los Angeles 36. Subsidiary of Carnation Co. (1) A. P. Herold; (2) E. W. Kelner; (2, 5) W. P. Kyle; (2, 8) T. V. Cox; (3) Wm. Stinehart; (4) H. E. Olson; (6) J. R. Faulconer; (9) E. Karlsrud. 6 exp., cap. 110 t. Storage cap. 200,000 bu. "Albers" soybean oil meal. "Albers Quality Controlled" mixed feeds and pellets. Served by ATSF, SP, WP RR.

Richmond 4—PACIFIC VEGETABLE OIL CORP., 1145 S. 10th St. Ph. Landscape 4-4727. Main office San Francisco. (5) B. T. Rocca, Sr.; (5) B. T. Rocca, Jr.; (6) R. W. Hammond; (8) J. C. Taylor; (9) E. W. Ferguson; prod. mgr., M. G. Langford. 4 exp., cap. 50 t.; hexane solv., cap. 80 t. Storage cap. 126,000 bu. "PVO" soybean oil meal and pellets. Served by SP, ATSF RR.

San Francisco 7—PACIFIC VEGETABLE OIL CORP., 62 Townsend St. Ph. Douglas 2-0990. (1) B. T. Rocca, Sr.; (2) B. T. Rocca, Jr.; asst. vice pres. mfg., E. A. Hill; (3) Dudley F. Miller; (4) Ford M. Tussing; (5) James C. Taylor; (6) Richard W. Hammond; (7) Ernie W. Ferguson; (8) J. C. Taylor; (9) Manell G. Langford. 5 screw pr., cap. 80 t. Storage cap. 368,000 bu. "PVO" soybean oil meal and pellets. Served by SP, ATSF, WP RR.

Wilmington—VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave. Ph. Terminal 47224; Los Angeles, Nevada 632-51. (1) R. J. Roessling; (2, 5, 6, 8) S. T. Patterson; (2, 5, 6, 9) W. L. Dickinson; (3, 4) W. L. Meyers. 4 exp., cap. 50 t. Storage cap. 60,000 bu. "Sun Ripe" soybean oil meal and pellets. Soybean operations 1,000 t. annually. Served by SP, UP, ATSF, HB RR.

DELAWARE

Millsboro—TOWNSEND'S INC. Ph. 2771. (1) Sen. John G. Townsend, Jr.; (2, 3, 4) Preston C. Townsend; (5, 6, 8, 9) John Phillips; (7) W. W. Ulrich. Hexane solv., cap. 50 t. Storage cap. 250,000 bu. "Townsend's Inc." soybean oil meal, mixed feeds and pellets.

FLORIDA

Brooker—SOUTHERN OIL & CHEMICAL CO., INC., P. O. Box 6. Ph. 201. Home office 125 Broad St., New York, N. Y. (1, 6) G. A. Wharry; (2, 5, 8) George Goodhart; (3, 4) Jerry Kleinman; (9) Emanuel Kleinman. 3 screw pr., cap. 65 t. Storage cap. 60,000 bu. "Southsoy" soybean oil meal. Served by SAL RR.

Pensacola—SOUTHERN COTTON OIL CO. Ph. 2114; LD 3. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (9) J. T. Murphy. 5 screw pr., cap. 100 t. "Sco-Co" soybean oil meal. Served by L&N, SLSF RR.

GEORGIA

Atlanta—BUCKEYE CELLULOSE CORP. (2) E. O. Wilson; eastern div. mgr., S. P. Cottraux. Dist. mgr. for oil mill, W. P. Lanier; (7) W. H. Davis.

Atlanta 6—SOUTHERN GRAIN CO., P. O. Box 8216. Ph. Dixie 5766. Sole owner, H. A. Brennan.

Augusta—BUCKEYE CELLULOSE CORP. Dist. mgr., H. M. Henry; (7) D. L. Guffey.

Macon—BUCKEYE CELLULOSE CORP. Dist. mgr., J. P. George; (7) T. J. Doughman.

Rome—ROME OIL MILL. Ph. 6556. Main office Southern Cotton Oil Co., New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) T. F. Ford; (9) C. H. Lumpkin. "Rome" soybean oil meal. Served by SOU, CG RR.

Savannah—SOUTHERN COTTON OIL CO., Old Augusta Rd., P. O. Box 689. Ph. 2-7109. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. R. Woolsey; (9) F. F. Stewart. 3 exp. "Sco-Co" soybean oil meal. Served by CG RR.

Thomasville—FARMERS OIL MILL CO., INC., P. O. Box 860. Ph. 345; LD 59. (1) F. H. Searcy; (3, 4) M. A. Froberg; (7) G. M. Smithson. 2 screw pr., cap. 40 t. Storage cap. 160,000 bu. "Farmpro" soybean oil meal. Served by ACL RR.

Vidalia—VIDALIA COTTON OIL CO., Ph. 474, 406. (5, 8) and owner, W. F. Jenkins; (7) W. F. Reynolds. 9 hydraulic pr., cap. 50 t. Storage cap. 1,500,000 bu. Soybean oil meal. Soybean operations when advantageous. Served by MDS, G&F RR.

ILLINOIS

Alhambra—ALHAMBRA GRAIN & FEED CO. Ph. 55. Branch at Marine, Ill. (1) T. E. Albrecht; (2) Joseph A. Long; (3) Clarence J. Ludwig; (4, 5, 6, 8) Elmer H. Ruehrup; (9) Paul Bauer. 2 exp., cap. 40 t. Storage cap. 210,000 bu. at Alhambra and Marine. "AG&F" soybean oil meal. Served by IC RR.

Bloomington—FUNK BROS. SEED CO., 1300 W. Washington St. (1) Eugene D. Funk, Jr.; (5) A. M. Convis; (6, 8, 9) H. A. Abbott; (7) D. D. Walker. Hexane solv., cap. 200 t. "Funk's" soybean oil meal and "Minrol Soy."

Bloomington—RALSTON PURINA CO. Ph. 3823. Main office St. Louis. (5) H. D. Rowland; (7) J. L. Clark; (9) Nat. Morey. Hexane solv., cap. 300 t. Storage cap. 2,000,000 bu. "Purina Chows" mixed feeds. Served by GM&O, IC, ITC, NKP RR.

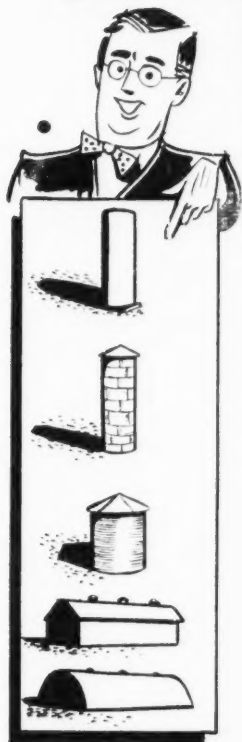
Cairo—CAIRO MEAL & CAKE MILLING CO., 46th and Sycamore Sts. Ph. 347. (1) A. T. Madra. Storage cap. 100,000 bu. "Miss Cairo" soybean oil meal. Served by IC, NYC RR.

Cairo—SWIFT & CO. Main office Chicago. (5, 9) W. B. Stone; (7) E. H. Eubanks. "Swift's" soybean oil meal.

Champaign—SWIFT & CO. Main office Chicago. (7) C. W. Faulkner; (8) R. J. Hendrick; (9) H. S. Byrd. "Swift's" soybean oil meal.

Chicago 4—ALLIED MILLS, INC., 3400 Board of Trade Bldg. Plants at Omaha, Nebr., and Taylorville, Ill. (1) H. J. Buist; (2) L. T. Murphy; (2) E. D. Griffin; (2, 5, 6, 8) J. J. Quinlan; (3, 4) E. W. Lenz. "Wayne" soybean oil meal, mixed feeds and pellets.

Do You Know



WHAT'S GOING ON BEHIND THOSE GRAIN WALLS?

Dirt - Chaff Pockets?
Weevils, Insects?
Moisture Pockets?
Mold Action?
Weed Seeds?
Grade Loss?
Heating?
Spoilage?

WHY WORRY AND STEW!

LET HOT SPOT DETECTOR SYSTEM STAND GUARD FOR YOU NIGHT AND DAY — for less than damage loss, HOT SPOT system pays for itself in guarding against spoilage, down-grading — Tells You Condition of Grain By "X-Raying" Bin From Bottom to Top Through Temperature Reports.

Portable Systems, Too—Ideal for Flat Storage

"Your Grain's Health Is Your Elevator's Wealth"

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"PURITY BRAND"

SOYBEAN OIL MEAL

- 44% Solvent Meal
- Uniform Grind
- Golden Color

WELL LOCATED TO GIVE YOU—

Prompt, courteous service on
"Purity Brand" Soybean
Oil Meal.

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Triple Value Brand

44% Hexane Extracted

GOLDEN TOASTED

SOYBEAN OILMEAL

is the result of carefully controlled processing developed thru pioneering experience.

*Strategically located to give you
fast, dependable service*

GALESBURG SOY PRODUCTS CO.

Pioneers in Soybean Processing
GALESBURG, ILLINOIS

PROCESSORS—(Continued)

Chicago—BORDEN'S SOY PROCESSING CO., 105 W. Adams St. Div. of Borden Co., New York (5, 6, 8) J. R. Pentis.

Chicago—CARGILL, INC., 122nd and Torrence Rd. Ph ES 5-7255. Main office Minneapolis. (7) Harold Sandvig. Hexane solv. "Cargill" soybean oil meal. Served by CNW RR.

Chicago—CENTRAL SOYA CO., INC. Offices 3718 Board of Trade Bldg.; and 300 Fort Wayne Bank Bldg., Fort Wayne. "Central Miracle" 44% and 50% soybean oil meal. "Centrol" lecithin. "Centrol" soybean oil products. "Master Mix" concentrates and complete feeds.

Chicago—GLIDDEN CO., chemurgy div. and grain elevators, 1825 N. Laramie Ave. Ph. Berkshire 7-8000. Also plants at Buena Park, Calif., and Indianapolis, Ind. (1) Dwight P. Joyce; (2) Willard C. Lighter; (3) W. E. Bindenagel; (3) R. D. Horner; (4) W. G. Phillips; (5) Carl E. Benson; (6) Gerald Daleiden; (7) Ernie Tessmer; (8) John H. Wicklund; (9) E. T. Wilhelm. Exp. and hexane solv. units. Storage cap. 8,500,000 bu. "Diamond G" and "4-H" soybean oil meal; full-fat screw press and extracted soy flour.

Chicago—SPENCER KELLOGG & SONS, INC. Main office, 98 Delaware Ave., Buffalo 5, N. Y. (7) J. S. Williams. Expeller. 44% soybean oil meal. Served by CB&Q RR.

Chicago—SWIFT & CO. Union Stock Yards. Plants at Blytheville, Ark.; Cairo and Champaign, Ill.; Des Moines, Iowa; Frankfort, Ind.; Fostoria, Ohio. (1) John Holmes; (2) C. T. Prindleville; (3) A. H. Fritschel; (4) A. L. Bruckner; oil mill dept., Scott E. Cramer. "Swift's" soybean oil meal and pellets.

Danville—LAUHOFF SOYA CO. Ph. 1800. Subsidiary of Lauhoff Grain Co. (1) S. H. Young; (2) Ralph G. Golseth; (3) J. J. Young; (4) John D. Wilkinson. Hexane solv.

Decatur—ARCHER-DANIELS-MIDLAND CO., P. O. Box 1030. Ph. 5183. Main office Minneapolis. (9) R. S. White. Hexane solv. "Archer" 44% and 50% soybean oil meal; "Archer" pellets; defatted, low-fat soy flour; "Archer C & S" soybean cooking and salad oil. Served by IC, ITC, RR.

Decatur—CHECKERBOARD SOYBEAN CO., Citizens Bank Bldg. Ph. 8-2161. Affiliate of Ralston Purina Co., St. Louis. (5, 9) R. E. Baer; (7) Ira Abbott. Hexane solv., cap. 250 t. Storage cap. 1,000,000 bu. Served by IC, WAB, ICT, NYC RR.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. Main office, 98 Delaware Ave., Buffalo 5, N. Y. Mgr. soya flour dept., H. A. Olendorf; (7) John DeLane. Hexane solv. 50% protein soybean oil meal; "Soyflake", "Special X", "Meatone Grits", "Kel-Sovsoy" soy flours. Served by ITC, WAB RR.

Decatur—A. E. STALEY MFG. CO., 22nd and Eldorado Sts. Ph. 3-4411. Also plant at Painsville. (1) A. E. Staley, Jr.; (2) E. K. Scheiter; (2) in chg. of mfg., R. E. Greenfield; (4) W. R. Boyer; (6) crude, J. W. Moore; (6) refined, E. E. Roos; (6) refinery dept., M. J. Longbons; (7) W. H. Walmsley; (8) E. C. Lane; mgr. soybean div., E. E. Rhodes. Hexane solv. "Staley's" soybean oil meal, mixed feeds, pellets and extracted soy flour and grits. Served by WAB, IC, B&O, ITC, PRR.

SOYBEAN BLUE BOOK



S. S. UNITED STATES, pride of the United States Merchant Marine, is the world's most modern superliner.

LEADERSHIP GOING PLACES!

Fastest passenger vessel in the world, the S.S. United States has built a reputation for outstanding performance. Esso Hexane has the same fine reputation in industry, achieved through product character and quality. Next time you order, specify a product backed by years of continuing research and constant product improvement—Esso Hexane.

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FARMERS

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Expeller Process
SOYBEAN OIL MEAL
and
SOYBEAN PELLETS

DELPHOS GRAIN AND SOYA PRODUCTS CO.

- Soybean Processors
- Terminal Elevator



Year round buyers of
Soybeans, Corn, Wheat
and Oats.



Always Prompt and
Courteous Service

Delphos, Ohio - Phone 5261
Van Wert - Phone 21901
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PROCESSORS—(Continued)

East St. Louis—COLCHESTER PROCESSING CO., 35th and Walnut. Ph. Upton 4-2290. (1) E. C. Andrews; (2, 8) E. L. McKee; (3, 4) E. F. Dummeyer; (5, 6, 9) Wallace V. Weidner; (7) Clyde Kartaker. 1 exp., cap. 22 t. Storage cap. 25,000 bu. "Colpro" soybean oil meal. Served by SOU RR.

Galesburg—GALESBURG SOY PRODUCTS CO., 1021 S. Henderson St. Ph. 4787. (1, 6, 9) Max Albert; (2) Betty V. Uretz; asst. vice pres., Eleanor N. Simon. Lois H. Shaffer; (3, 4) Anna S. Albert; (5) E. E. Fletcher; (7) J. L. Tennent; (8) James R. Strong. Hexane solv., cap. 300 t. Storage cap. 400,000 bu. "Triple Value" 44% protein soybean oil meal. Served by CB&Q, ATSF RR.

Gibson City—CENTRAL SOYA CO., INC. Main office Fort Wayne. (9) Newell Wright. Solv., cap. 60 t. Storage cap. 600,000 bu. "Central Miracle" 4% and 50% soybean oil meal, "Central" linethin, "Central" soybean oil products, "Master Mix" concentrates and complete feeds.

Ipava—IPAVA FARMERS PROCESSING CO. Affiliate of Ipava Farmers Elevator Co. Also at New Philly and Cuba. (1) Philip Howell; (2) L. S. Robinson; (3, 4) J. D. Larue; (5, 6, 8) Phil Snedeker; (7) Peter Stutsman; (9) and gen. mgr., C. O. Snedeker. 2 French pr., cap. 37 t. Storage cap. 250,000 bu. "Ipeco" soybean oil meal, "Top-Notch" mixed feeds and pellets. Served by CB&Q RR.

Kankakee — BORDEN'S SOY PROCESSING CO., Grinnel Road. Main office Waterloo, Iowa. Div. of Borden Co., New York. (7) Harry Merriam; (9) G. W. Harris. Solv., cap. 225 t. Storage cap. 900,000 bu. "Borden's" soybean oil meal. Served by NYC RR.

Mascoutah—PH. H. POSTEL MILLING CO., 2 W. Main St. Ph. LD 250. Plant 502 S. Railway. (1) Charles W. Postel; (2, 4, 6, 8, 9) J. W. Huegely; (3) Urban S. Postel; (5, 7) Tom Evans. 2 screw pr., cap. 36 t. Storage cap. 200,000 bu. "Postel" soybean oil meal, mixed feeds and pellets. Served by L&N RR.

Monmouth—RALPH WELLS & CO., 530 S. 3rd St. Plant 600 S. 3rd. (1) Ralph Wells; (2, 5) Willis H. Wells; (3, 9) Adrian R. Wells; (4, 6, 8) Norman Wells; (7) Ralph Farrington. 2 exp., cap. 25.2 t. Storage cap., Monmouth, 270,000 bu.; Cameron, 80,000 bu.; Gerlaw, 10,000 bu. "Wells Pure Old Process" soybean oil meal and "Boxer Brand" soy cake lets. Served by CB&Q, M&STL RR.

Nashville—HUEGELY ELEVATOR CO. (1, 5, 6, 8, 9) J. W. Huegely; (2, 3, 4) Ralph Lesemann; (7) Joe Pavolish. 1 exp. Storage cap. 175,000 bu. "HU" brand soybean oil meal. Served by L&N, M&I RR.

Quincy—QUINCY SOYBEAN PRODUCTS CO., 1900 S. Front St. Ph. Baldwin 3-1962. (1, 6) Irving J. Rosen; (2, 8, 9) Norman L. Rosen; (3) Arnold H. Rosen; (4) Marcella Rosen; (5) W. V. Simmons; (7) Carl Strothoff. French hexane solv., cap. 300 t. Storage cap. 1,100,000 bu. "Purities" soybean oil meal. Served by CB&Q, WAB RR.

Roanoke—EUREKA MILLING CO. (9) D. B. Hodel. 1 exp., cap. 15 t. Storage cap. 100,000 bu. "Emco" soybean oil meal and mixed feeds. Served by ATSF RR.

PROCESSORS—(Continued)

Rock Falls—STERLING SOYBEAN CO., INC., 830 E. 10th St., Ph. Main 93. (1, 5) E. J. McGinn; (3, 8) O. L. McGinn; (4) J. C. Kram, 3 exp., cap. 60 t. Storage cap. 300,000 bu. "Old Process" soybean oil meal; "Cream-A" mixed feeds and pellets. Served by CB&Q, CNW RR.

Springfield—ILLINOIS SOY PRODUCTS CO., P. O. Box 53, Ph. 2-3391. Plant, E. Sangamon Ave. Subsidiary of Iowa Milling Co., Cedar Rapids, Iowa. (1, 4) Joe Sinaiko; (2) I. D. Sinaiko; (3) Samuel H. Maslon; (5, 6, 8, 9) Eric Nadel; (7) D. D. Crites, 8 screw pr., cap. 150 t. Storage cap. 200,000 bu. "Capitol" soybean oil meal. Served by WAB RR.

Taylorville—ALLIED MILLS, INC. Main office Chicago. (7) P. G. Gottschalk; (9) John B. DeHaven, Jr. Hexane solv. "Wayne" soybean oil meal, mixed feeds and pellets. Served by WAB, B&O RR.

Vermont—BADER SOY PRODUCTS CO., Ph. 48. Subsidiary of Bader & Co., (1, 5, 6, 8) B. B. Bader; (2) C. B. Bader; (3, 4) W. F. Bader; (7) Harold DeMott. Hexane solv., cap. 90 t. Storage cap. 400,000 bu. at Vermont, Astoria, Rushville, Adair, Macomb, Swan Creek, Walnut Grove and Prairie City. "Bader's" 44% soybean oil meal; "Bader's Atomic" mixed feeds; "Bader's" pellets. Served by CB&Q RR.

Virdeen—HULCHER SOYA PRODUCTS, INC., (1) Norman E. Hulcher; (3, 4) Harold L. Foster; (7) Herman Helmerich; (9) John Curran, 2 exp., cap. 15 t. Storage cap. 225,000 bu. "Hulcher Old Process" soybean oil meal. Served by GM&O RR.

INDIANA

Angola—ANGOLA SOYA CO., 424 N. Williams St., P. O. Box 358, Ph. 523. Partnership, Reginald Hale and Alfred Hale. Hexane solv., cap. 5 t. Storage cap. 1,400 bu. Soybean oil meal. Extractions of various specialty items. Served by NYC RR.

Decatur—CENTRAL SOYA CO., INC. Main office Fort Wayne. (9) T. H. Allwein. Solv., cap. 1,400 t. Storage cap. 7,000,000 bu. "Central Miracle" 44% and 50% soybean oil meal, "Central" lecithin, "Central" soybean oil products, "Master Mix" concentrates and complete feeds.

Fort Wayne—CENTRAL SOYA CO., INC., 300 Fort Wayne Bank Bldg. Plants at Decatur; Gibson City, Ill.; Marion, Ohio. Chm. of board, Harold W. McMillen; (1) D. W. McMillen, Jr.; (2) Geo. D. MacLean; (2) Chas. W. Crowe; (2) Norman F. Kruse; (2) Paul E. Hensel; (2) and dir. of sales, feed div., J. L. Krider; (2, 5, 6) W. E. Huger; (3, 4) Edward T. Schele; asst. secy. and asst. treas., John L. Andreas; asst. secy. and controller, Richard N. Allen; (8) B. A. Townsend. Processor of soybeans and manufacturer of "Master Mix" poultry and livestock concentrates and complete feeds, "Central Miracle" 44% and 50% soybean oil meal, "Central" lecithin, "Central" soybean oil and soybean oil products.

Frankfort—SWIFT & CO. Main office Chicago. (5, 9) H. B. Parker; (7) A. J. Sibley; (8) J. H. Bramfeld, Jr. "Swift's" soybean oil meal.

Indianapolis—GLIDDEN CO., 1169 W. 18th St. Main office Chicago. (5) Morris Champion; (6) Gerald Daleiden; (7) Clayton Vogt; (8) John H. Wickland; (9) E. T. Wilhelm. Hexane solv., cap. 250 t. Storage cap. 3,000,000 bu. "Glidden Quality Products" soybean oil meal.

Lafayette—RALSTON PURINA CO. Ph. 2-8421. Main office St. Louis. (7) N. R. Adkins; (9) Ralph M. Guenther. Hexane solv., cap. 325 t. Storage cap. 500,000 bu. "Purina Chows" mixed feeds. Served by WAB, NKP RR.

Marion—HOOSIER MILLS, INC., 33rd and Nebraska St. (1) H. G. Higgs; (5, 6, 8, 9) Wm. E. Oldenmeyer; (7) M. B. McVicker, 3 exp. Storage cap. 2,000 bu. "Hoosier" soybean oil meal. Served by NYC, NKP, C&O, PRR.

Peru—MID STATES FATS & OILS CORP., P. O. Box 363, Ph. 7575. Plant at Bunker Hill. Ph. 184. (1) Paul J. Sicanoff; (3, 4) Geo. H. Shaw, Jr.; (7) R. D. Durham; gen. mgr., Oren P. Cochran, 3 exp., cap. 50 t. Storage cap. at Bunker Hill, 150,000 bu. Soybean oil meal. Served by PRK.

Portland—HAYNES MILLING CO., INC., 215 E. Votaw St., Ph. 62. Plant at E. 8th St. Ph. 364J. (1, 6, 9) Clarence E. Peters; (2, 4) W. H. Starbuck; (3) Max W. Shufelt; (5, 8) Walter V. Hilfiker; (7) Donald B. Lee, 4 exp., cap. 100 t. Storage cap. 285,000 bu. "Haynes" 41% soybean oil meal; "State Pilot" mixed feeds and pellets. Served by NKP, PRR.

IOWA

Belmond—GENERAL MILLS, INC., soybean div. Ph. 231. Main office Minneapolis. Grain buyer and office mgr., H. C. Stokke; (7) W. B. Hotvet. Hexane solv., cap. 250 t. Storage cap. 1,500,000 bu. "General Mills 44%" protein solv. (hexane) extracted soybean oil meal.

Cedar Rapids—CARGILL, INC., 850 10th St. SW. Ph. 6148. Main office Minneapolis. (7) V. K. Vehounek; (9) C. W. Bohlander. Hexane solv. "Cargill" soybean oil meal. Served by CR, IC RR.

Cedar Rapids—IOWA MILLING CO., 411 6th St. NE. Ph. 4-1503. (1, 4) Joe Sinaiko; (2) I. D. Sinaiko; (3) Samuel Maslon; (5, 6, 8) H. R. Scroggs; (7) Gilbert Kinzey; (9) Louis Langhurst. Hexane solv., cap. 300 t. Storage cap. 600,000 bu. at plant. "Hy-grade" soybean oil meal. Served by MILW RR.

Clinton—PILLSBURY MILLS, INC. Headquarters feed and soy div. Ph. 1080. General office, Minneapolis. (1) Paul Gerot; (2) C. D. McNeal; (3) P. F. Sherman; (4) C. C. Coleman; (5) Earl Nielsen; (6) Fred Elde; (7) G. H. Pedersen; (8) D. B. Long; (9) H. E. Smith. Hexane solv., cap. 250 t. Storage cap. 1,000,000 bu. "Pillsbury's Best" soybean oil meal, mixed feeds and pellets. Served by CB&Q, MILW, CNW, RI RR.

Des Moines—SPENCER KELLOGG & SONS, INC. Main office 98 Delaware Ave., Buffalo 5, N. Y. (7) J. W. Pooley. Hexane solv. 44% protein soybean oil meal; pellets. Served by DMU RR.

Des Moines—SWIFT & CO., Box 38, Highland Park Station. Main office Chicago. (5, 9) C. D. Whitaker; (7) G. G. Scott; (8) C. J. Ander. "Swift's" soybean oil meal.

Dike—FARMERS COOPERATIVE CO. Ph. 2111. (1) Horace D. Brown; (2) Russell Mewees; (3) Edward Sherwood; (5, 6, 8) C. M. Gregory; (7) Gerald Bruns; office mgr., Richard Goetzinger, 2 screw pr., cap. 30 t. Storage cap. 710,000 bu. "Felco" soybean oil meal and mixed feeds. Served by CNW RR.

EXPELLER TYPE

Old Process

Hawkeye Brand

SOYBEAN OIL MEAL

Golden Brown

Palatable—Nutty Flavor

Meal or Pea Size

McKEE
FEED & GRAIN CO.

MUSCATINE

IOWA

IOWA MILLING CO.

Soybean Processors



44% Soybean
Oil Meal



Cedar Rapids, Iowa
Phone 4-1503

PROCESSORS—(Continued)

Eagle Grove—BOONE VALLEY CO-OP PROCESSING ASSN. Ph. 200, 301. (1) Ralph Olsen; (2) Harry Bernard; (3, 4) Floyd Crim; (5) James A. Farrell; (6, 8, 9) Edward Olson; (7) Chas. G. Loux; asst. mgr., Donald Laurent. Hexane solv., cap. 200 t. Storage cap. 140,000 bu. "Co-op" soybean oil meal, mixed feeds and pellets. Served by CNW, CGW RR.

Fort Dodge—BORDEN'S SOY PROCESSING CO. Main office Waterloo, Iowa. Storage cap. 300,000 bu.

Fort Dodge — CARGILL, INC., 5 Central Ave. Ph. Walnut 3781. Main office Minneapolis. (7) C. R. Brooks; (9) W. J. Wheeler. Hexane solv. "Cargill" soybean oil meal and pellets. Served by IC RR.

Gladbrook—CENTRAL IOWA BEAN MILL. Ph. 63. (1, 3, 5, 6, 7, 8, 9) Paul H. Klinefelter; (2, 4) Florence M. Klinefelter. 3 screw pr., cap. 50 t. Storage cap. 450,000 bu. "Soya, Chief of the Feeds" soybean oil meal. Served by CNW, CGW RR.

Iowa Falls—RALSTON PURINA CO. Ph. 2591. Main office St. Louis. (5) Barney McCoy; (7) Geo. W. Oswald; (9) A. V. Couch. Hexane solv., cap. 300 t. Storage cap. 1,560,000 bu. "Purina Chows" mixed feeds. Served by RI, IC, CNW RR.

Marshalltown — MARSHALL MILLS, INC., 201 Washington St. Ph. 9005. (1, 9) Fred Johnson; (2, 7) J. B. Saccaro; (3, 5, 6, 8) J. I. Johnson; (4) Vernon N. Johnson. 3 screw pr., cap. 70 t. Storage cap. 100,000 bu. 41% soybean oil meal. Served by M&StL, CNW, CGW RR.

Mason City—NORTH IOWA COOPERATIVE PROCESSING ASSN., 1605 19th St. SW. (1) Earl M. Dean; (2) C. D. Daniels; (3, 4) A. K. Carstens; (5, 8) H. D. Rissler, Jr.; (6, 9) Glenn Pogeler; (7) Harold Tietjens. Hexane solv., cap. 150 t. Storage cap. 350,000 bu.; Manly, 130,000 bu. "Felco" soybean oil meal. Served by CGW, M&StL, RI, MILW, CNW, MC&CL RR.

Muscatine—McKEE FEED & GRAIN CO., 500 508 E. 2nd St. Plant, Front and Oak Sts. Ph. 740, 1961. (1) L. R. McKee; (2, 6, 8, 9) Harry G. McKee; (3) Orval Fisher; (4) Lee L. McKee; (5) James A. Gould; (7) Archie White. 2 exp., cap. 300 t. Storage cap. 250,000 bu. "Hawkeye" soybean oil meal, mixed feeds and pellets. Served by RI, MILW RR.

Muscatine — MUSCATINE PROCESSING CORP., 205 Green St. Ph. AMherst 3-3721 (1) S. G. Stein; (2) G. A. Kent; (2) F. J. Prochaska; (3) R. C. Kautz; (4) F. G. Hocking; (5, 6, 8) M. C. Larson; (7, 9) R. D. Stroup. Hexane solv., cap. 100 t. Storage cap. 500,000 bu. "Port City" soybean oil meal. Served by MILW, RI RR.

Quimby — SIMONSEN MILL-RENDERING PLANT. Ph. 16. (5, 6, 8) D. W. Simonsen; (7) Alton Simonsen; (9) M. W. Simonsen. 4 screw pr., cap. 50 t. Storage cap. 130,000 bu. "Simonsen" soybean oil meal, mixed feeds and pellets. Served by IC RR.

Ralston—FARMERS COOPERATIVE ASSN. Ph. 37. (1) Otis Knight; (2) Myron B. Gregory; (3, 4) Carl R. Cook; (5) William Y. McDonald; (6, 8, 9) Karl Nolin; (7) Frank Smith. 3 screw pr., cap. 50 t. Storage cap. 1,250,000 bu. "Farmers" soybean oil meal; "Farmers Feeds" mixed feeds and pellets. Served by CNW RR.

SOYBEAN BLUE BOOK

PROCESSORS—(Continued)

Redfield—IOWA SOYA CO. Ph. 400. (1, 4) J. J. Vanier; (2, 6, 8, 9) Donald C. Ogg; (3) Thomas B. Roberts; (5) Byrle Spillers; (7) D. O. Cameron; chief chemist, D. H. Kingsley. Hexane solv., cap. 350 t. Storage cap. 1,000,000 bu. "Redfield" soybean oil meal and pellets. Served by MILW RR.

Sac City—WILLIAMS MILLING CO. Gen. mgr., Leo W. Williams; (5) R. C. Hink; (8) J. C. Laughlin. 4 exp., cap. 80 t. Storage cap. Sac City 357,000 bu., Nemaha 100,000 bu., Lake View 100,000 bu., Lytton 85,000 bu. "Williams" soybean oil meal, feeds and pellets. Served by MILW RR. Presently not processing.

Sheldon—BIG 4 COOPERATIVE PROCESSING ASSN., 111 9th St. (1) Doores Waanders; (2) Paul D. Vetter; (3, 4) L. M. Penning; (5, 6, 9) Charles W. Hanson; (7) Reuel Jacobs; (8) Kenneth McQueen. 6 exp., cap. 135 t. Storage cap. 200,000 bu. "Felco" soybean oil meal. Served by IC, MILW, CMO RR.

Sioux City—SIOUX SOYA MILLS, 11th and Clark St. P. O. Box 357. Ph. 8-0174-5-6; LD 20. Affiliate of Sioux Industries, Inc. (1) E. N. Grueskin; (2) Mike Sherman; (3, 4) Philip Sherman; (5, 8) Dick Hoaglund; (6, 8, 9) John Zipoy; (7) A. G. Kliwer; (7) R. P. Cole; traffic mgr., G. Dikeman; office mgr., V. W. Miller. Hexane solv., cap. 150 t. Storage cap. Sioux City, 425,000 bu., Sioux Falls, S. Dak., 300,000 bu. "Su Soy" soybean oil meal and pellets. "Super Soy" mixed feeds. Served by IC, MILW, CNW RR.

Washington — CARGILL, INC., N. 15th St. and E. 3rd Ave. Ph. 820. Main office Minneapolis. (7) Raymond Roth; (9) Hugo Lensch. Hexane solv. "Cargill" soybean oil meal and pellets. Served by RI RR.

Waterloo—BORDEN'S SOY PROCESSING CO. Div. of Borden Co., New York. Also plants Fort Dodge, Iowa; Kankakee, Ill. (1) C. F. Kieser; (2, 5, 6, 8, 9) Edward M. O'Connor; (3, 4) P. J. Queroli; (7) F. P. Parkin. 5 French screw pr., cap. 90 t.; solv., cap. 240 t. Storage cap. 1,000,000 bu. "Borden's" soybean oil meal. Served by WCF&N, RI RR.

West Bend—WEST BEND ELEVATOR CO. Ph. 4371 (1) Earnie Schmidt; (2) Ely Grimm; (3) R. W. Ritters; (5, 6, 8) R. W. Jurgens; (7) Harold Baas. 3 exp., cap. 30 t. Storage cap. 575,000 bu. "Felco" soybean oil meal and mixed feeds. Served by RI RR.

KANSAS

Emporia—KANSAS SOYA PRODUCTS CO., INC., E. 5th Ave. Ph. 3090. (1, 4) John J. Vanier; (2, 3) E. E. Steerman; (2, 5, 6) and gen. mgr., Elmer L. Baster; (7) T. R. Barnhart; (8) Robert H. Wise. Hexane solv., cap. 120 t. Storage cap. 1,300,000 bu. at Emporia, Hartford, Strawn and Olathe. "Sunflower" soybean oil meal and pellets; "Sunflower" and "Lasso" mixed feeds. Served by MKT RR.

Girard—PRODUCERS COOPERATIVE ASSN. Ph. 192. (1) Elmer Harr; (2) Marvin Green; (3, 4) and gen. mgr., S. O. Frey. 2 screw pr., cap. 40 t. Storage cap. 200,000 bu. "Producers" 41% soybean oil meal; "Producers," "Farmer's Special," and "Co-Op Open Formula" mixed feeds and pellets. Served by SLSE, ATSF RR.

Wichita—SOY-RICH PRODUCTS, INC., 1501 N. Mosley. Ph. 5-9635. (1) Geo. S. Armstrong; (2) War O. Brooks; (3) Elmer C. Moore; (4, 5) and exec. vice pres., Ralph S. Moore; (6, 8) B. E. Henline; (7) Jess Turner; (9) J. W. Thelma. Blaw-Knox hexane solv., cap. 150 t. Storage cap. 1,100,000 bu. "Four-Leaf Clover" soybean oil meal and pellets. Served by ATSE, MP, RI, MV RR.

KENTUCKY

Henderson—OHIO VALLEY SOYBEAN CO-OP., 5th St. Ph. 3921. (1) Oscar D. Keck; (2) James R. Rash, Jr.; (3, 4, 9) A. L. Reisz; asst. secy., treas., mgr., David Frymire. Hexane solv., cap. 85 t. Storage cap. 740,000 bu. "Cardinal Quality" soybean oil meal. Served by L&N, IC RR.

Louisville—BUCKEYE CELLULOSE CORP. Dist. mgr., H. N. Perkson; (7) Jack Gardner.

Owensboro—OWENSBORO GRAIN CO. (1) Wm. M. O'Bryan; (2) Henry E. O'Bryan; (3) Hugh P. And. Solv., cap. 125 t. Storage cap. 600,000 bu. "Ograco" 44% solv. soybean oil meal.

LOUISIANA

Alexandria—RED RIVER COTTON OIL CO., INC., 514 N. 16th St. (1) J. E. Byram; (2, 5, 6, 8) J. E. Byram, Jr.; (3, 4) L. C. Waddell; (7) W. L. Brumlow. 10 hydraulic pr., 3 exp., cap. 100 t. Storage cap. 500,000 bu. Served by MP, T&P, I&A, KCS RR.

New Orleans—SOUTHERN COTTON OIL CO., 210 Baronne St. Main office. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (1) A. O. Petersen; (2) L. C. Haskell; (2) E. A. Georgehan; (2) M. W. Lyons; (3) W. F. Hoerner; (4) C. M. Carriere.

Shreveport—SOUTHLAND COTTON OIL CO., div. of Anderson, Clayton & Co. Main office Paris, Tex.

West Monroe—UNION OIL MILL INC., P. O. Box 617. Ph. 6141. 3-6657, 3-6658. (1, 5, 6, 8, 9) C. W. Wallace; (2) F. W. Scott; (3, 4) A. B. Colmer; (7) R. W. May. 4 exp., cap. 150 t.; hexane solv., cap. 150 t. Storage cap. 300,000 bu. "Union" soybean oil meal and pellets; "Union-Mix" mixed feeds. Soybean operations about 1-6. Served by IC RR.

MINNESOTA

Bloomington—FARMERS CO-OP ELEVATOR ASSN., soybean processing div. (1) Ormanzo Peterson; (2) Harold Symes; (3, 4) T. B. Peterson; (5, 6, 8, 9) Wilbur P. Bidne; (7) Don Sandberg. Trichloroethylene solv., cap. 25 t. Storage cap. 120,000 bu. "Prairie" 44% soybean oil meal and flakes; "Farmers Best" feeds.

Dawson — TRI-COUNTY CO-OP. SOYBEAN ASSN. Ph. 32. (1) C. M. Hanson; (2) Ralph B. Hill; (3) M. Enevoldson; (4) J. Lideen; (5, 6, 9) Joe Givens; (7) D. E. Crane; (8) Dave Owen. Hexane solv., cap. 75 t. Storage cap. 80,000 bu. "Dawson" soybean oil meal. Served by M&S-L RR.

Lakeville—CONSUMERS SOYBEAN MILLS, INC. Office 1122 Flour Exchange Bldg., Minneapolis 15. (1, 5) Riley W. Lewis; (2, 4) Harry J. Lewis; (3, 8) L. R. Finch. 6 exp., cap. 120 t. Storage cap. 600,000 bu. "Consumers" soybean oil meal. Served by MILW RR.

Mankato—ARCHER-DANIELS-MIDLAND CO., 3rd and Harper. Ph. 7947. Main office Minneapolis. (7) E. W. Schmidt, Jr. Hexane solv. "Archer" 44% and 50% soybean oil meal; "Archer" and "Boostryn" mixed feeds; "Archer" pellets; defatted, low-fat soy flour. Served by CMO RR.

PROCESSORS—(Continued)

Mankato—HONEYMEAD PRODUCTS CO. Ph. 7911. (1, 5, 6) L. W. Andreas; (2) W. B. Cox; (2, 3, 9) J. I. Maslon; (4) chm. of board, D. O. Andreas; (7) V. Boettcher; (8) C. T. Mullin. Hexane solv., cap. 900 t. Storage cap. 850,000 bu. "Honey-mead" soybean oil meal. Served by CNW, CMO, MILW, CGW RR.

Minneapolis — ARCHER-DANIELS-MIDLAND CO. 700 Investors Bldg. Ph. Federal 2112. Plants at Decatur, Ill.; Mankato, Minn. (1) T. L. Daniels; (2, 5) F. E. Benson; (2, 6) A. C. Hochue; (3) P. S. Duff; (4) S. S. Adair; (8) John P. Broshard.

Minneapolis 15 — CARGILL, INC., 200 Grain Exch. Plants at Chicago; Cedar Rapids, Fort Dodge and Washington, Iowa; Savage, Minn.; Philadelphia, Pa. (1) J. H. MacMillan, Jr.; (2) P. M. Seed; (3) A. G. Eggenmayer; (4) C. W. Mooers.

Minneapolis — GENERAL MILLS, INC., soybean div., 700 General Mills Bldg. Ph. Atlantic 1144. Plants at Belmond, Iowa, and Rosford, Ohio. (1) S. D. Andrews, Jr.; (6) W. E. Flumerfelt; (8) F. H. Hatner; grain buyer, D. W. Moehrens. "General Mills" 44% protein solv. (hexane) extracted soybean oil meal.

Minneapolis — MINNESOTA LINSEED OIL CO., 25 44th Ave. N.E. (1) E. H. Russell; (2) V. Wurttele; (3, 4) J. D. O'Keefe; (5) Ray Lindquist; (6) Carl H. Schinke; (7, 9) George N. Walker; (8) W. E. O'Connor. Solv., cap. 500 t. Storage cap. 3,000,000 bu. "Minnesota" soybean oil meal and pellets. Served by NP RR.

Preston—PRESTON SOYA MILLS, INC. Registered office, Mapleton, Minn. Ph. 306. (1, 2) Wallace E. Frank; (3, 4, 5, 6, 8) Edward G. Frank; (7, 9) Ed Steinkopf. 3 exp., cap. 60 t. Storage cap. 225,000 bu. "Presto" soybean oil meal. Served by MILW RR.

Savage — CARGILL, INC. Ph. South 1864. Main office Minneapolis. 674 John Sheperd. Hexane solv. "Cargill" soybean oil meal. Served by MN&S RR.

MISSISSIPPI

Belzoni—BELZONI OIL WORKS INC., P. O. Box 207. Ph. 440. (1) Irby Turner; (2) L. S. Stoner; (3) Jno. Hallbrook; (4) J. C. Hallbrook; (5, 6, 7, 8, 9) H. H. Gantz. Hexane solv., cap. 125 t. Storage cap. 200,000 bu. "Belco" soybean oil meal. Served by IC RR.

Belzoni—HUMPHREYS COUNTY OIL MILL. Affiliate of Mississippi Cottonseed Products Co., Jackson. (7) H. C. Switzer; mgr., S. A. Pittman. 9 screw pr., cap. 50 t. Storage cap. 150,000 bu. Soybean operations 4,000-8,000 t.

Clarksdale—PLANTERS MFG. CO. Ph. 1540. (1) C. G. Smith; (2) C. G. Bobo; (2) E. L. Anderson, Jr.; (3, 4, 5, 6, 8) A. K. Shaifer, 4 exp.; hexane solv., cap. 200 t. Storage cap. 500,000 bu. 44% protein solv. extracted soybean oil meal. Served by IC RR.

Columbus—SOUTHERN COTTON OIL CO. Ph. 245. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) P. K. Jaynes; (9) Y. E. Travis. "Sco-Co" soybean oil meal. Served by GM&O, SL&F, SOU, C&G RR.

HONEYMEAD

PRODUCTS COMPANY

Mankato, Minnesota

Telephone: 7911

Teletype: 541

Processors of

44% Hexane Extracted Soybean Oil Meal

Industrial and Edible Soy Flours

Soybean Brew Flakes

PROCESSORS—(Continued)

Corinth—BUCKEYE CELLULOSE CORP. Dist. mgr., A. J. Vaughan, Jr.; (5) N. A. Garrison.

Greenville—GREENVILLE OIL WORKS. Ph. 6-51-6-52; LD 14. Owned and operated by Mississippi Cottonseed Products Co., Jackson. (5, 6, 8, 9) Hal Harris; (7) B. C. Lumley. 76 hydraulic pr. Storage cap. 250,000 bu. Soybean operations 4%. Served by C&G, IC RR.

Greenville—REFUGE COTTON OIL DIV., Southern Cotton Oil Co., 815 Nelson St., Ph. 5474. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. L. Tennent; (9) M. D. Kolb. French hexane solv. "See-Co" soybean oil meal. Served by IC, C&G RR.

Greenwood—BUCKEYE CELLULOSE CORP. Dist. mgr., R. R. Mills; (5) H. W. Gilbert.

Greenwood—PLANTERS OIL MILL, Affiliate of Mississippi Cottonseed Products Co., Jackson. (7) G. R. Simpson; (9) N. F. Howard. Lukenweld ultration ext., cap. 90 t. Storage cap. 250,000 bu. Served by IC RR.

Grenada—GRENADA OIL MILL, Line St., P. O. Box 1125. Affiliate of Mississippi Cottonseed Products Co., Jackson. 2 Fr. screw pr., cap. 60 t. Soybean operations 20%. Served by IC RR.

Indianola—SUNFLOWER COTTON OIL CO., P. O. Box 187. Affiliate of Mississippi Cottonseed Products Co., Jackson. 12 hydraulic pr., cap. 60 t. Storage cap. 750,000 bu.

Jackson—BUCKEYE CELLULOSE CORP. Dist. mgr., T. H. Harper; (5) E. A. Gauiding.

Jackson—DELTA COTTON OIL & FERTILIZER CO., Valley at Florence St., P. O. Box 895. Ph. 2-2624; LD 8. (1, 5, 6) Alfred Jenkins; (2) W. R. Barrow; (3) Jas. C. Bolton; (4, 4) L. D. Hamilton; (7) R. E. Anderson. 4 screw pr., Blaw-Knox hexane solv., cap. 150 t. Soybean operations 12,000 t. Served by IC RR.

Jackson—MISSISSIPPI COTTONSEED PRODUCTS CO., Plaza Bldg., P. O. Box 9-9. (1) H. E. Cowington; (2) J. B. Perry, Jr.; (3) G. C. Perry. Plants at Belzoni, Greenville, Greenwood, Grenada, Hazlehurst, Hollandale, Indianola, Jackson, Kosciusko, Macon, Newton, Yazoo City; Kennett and Sikeston, Mo.

Jackson—SOUTHLAND COTTON OIL CO., div., Anderson, Clayton & Co. Main office Paris, Tex.

Kosciusko—PLANTERS OIL MILL. Ph. 36; LD 17. Affiliate of Mississippi Cottonseed Products Co., Jackson. (5, 6, 8, 9) H. S. Simmons; (7) J. O. Burrows. 3 screw pr., cap. 80 t. Storage cap. 85,000 bu. 41% protein soybean oil meal. Soybean operations 5 to 10 weeks per year. Served by IC RR.

Leland—LELAND OIL WORKS. Ph. 33 and 22. Affiliate of Port Gibson Oil Works. (1) A. N. Brady; (2) C. W. Boomgard; (3, 4, 6, 8) Lomax Anderson; (5) K. B. Pepper; (7) M. P. Letchworth; (9) S. B. Shafter. Hexane solv. Served by IC RR.

Magnolia—MAGNOLIA COTTON OIL CO. Affiliate of Mississippi Cottonseed Products Co., Jackson. (7) James Burrows. 3 screw pr., cap. 65 t. Storage cap. 250,000 bu. "Magnolia" soybean oil meal and pellets. Soybean operations 20%. Served by IC RR.

Marks—RIVERSIDE OIL MILL. Gen. mgr., Wm. King Self. 3 screw pr., cap. 180 t.; Anderson hexane solv., cap. 100 t. Storage cap. 750,000 bu. "Riverside" soybean oil meal. Served by IC RR.

Picayune—CROSBY FOREST PRODUCTS CO., P. O. Drawer 1. Ph. 760. (1, 6, 8) L. O. Crosby, Jr.; (2) Mrs. Dorothy H. Crosby; (3, 4) J. E. Mayo; (5, 9) Jack Barry; (7) T. E. Pittman. 4 exp., cap. 150 t.; hexane solv., cap. 150 t. press cake. Storage cap. 40,000 bu. "Cro-Sox" solvent extracted soybean oil meal. Served by PRV RR.

Vicksburg—REFUGE COTTON OIL DIV., Southern Cotton Oil Co., P. O. Box 291. Ph. 2642; LD 0906. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. C. Holloway; (9) M. J. Harper. Hydraulic pr. "Refuge" soybean oil meal. Served by IC RR.

MISSOURI

Kansas City—RALSTON PURINA CO., 2334 Rochester Ave. Ph. Victor 1316. Main office St. Louis. (5) E. G. Franze; (7) C. C. Ward; (9) E. G. Hotchkiss. Solv., cap. 350 t. Storage cap. 505,000 bu. "Purina Chows" mixed feeds.

Kennett—KENNETT OIL MILL, INC. Ph. 8-4516, 8-4517. Affiliate of Mississippi Cottonseed Products Co., Jackson, Miss. (5, 6, 8, 9) N. P. Bartmess. 4 French screw pr., cap. 120 t. "Kennett" soybean oil meal. Served by SLSF RR.

Mexico—M.F.A. COOPERATIVE GRAIN & FEED CO. Ph. 1199; LD 2. Main office 429 Cherokee St., St. Joseph, Mo. Affiliate Missouri Farmers Assn. (1) F. V. Heinzel; (2) John L. Meisner; (3) R. J. Rosier; (9) Maurice Maze; gen. mgr., A. J. Lontch; office mgr., Kermit F. Head. 4 exp., cap. 80 t. Storage cap. 1,000,000 bu. "M.F.A." soybean oil meal, feeds and pellets. Served by WAR, GMAO, CB&Q RR.

New Madrid—BUCKEYE CELLULOSE CORP. Dist. mgr., R. W. Conrsey; (7) W. J. Milligan.

St. Joseph—DANNEN GRAIN & MILLING CO., P. O. Box 429. Plant 900 Lower Lake Rd. Ph. 8-2431. (1) Dwight L. Dannen; (2) E. A. Mannschreck; (3) M. E. Dawson; (4) Chas. Mannschreck; (5) A. E. Frank; (6, 8) E. A. Gumbert; (7) George Lippold; (9) Geo. O. Lines. Hexane solv., cap. 70 t. Storage cap. 14,000,000 bu. at St. Joseph and branches in Iowa, Mo., Kans., Nebr., Okla. and Ill. "Dannen" soybean oil meal, mixed feeds and pellets. Served by MP, CB&Q, ATSE, RI, CGW, UP RR.

St. Louis—RALSTON PURINA CO., 835 S. 8th St. Also plants at Lafayette Ind.; Bloomington, Ill.; Iowa Falls, Iowa; Kansas City, Mo. (1) Donald Danforth; (5, 8) Donald B. Walker; (6) Lamar Kishlar. "Purina Chows" mixed feeds.

Sikeston—SIKESTON COTTON OIL MILL, INC. Affiliate of Mississippi Cottonseed Products Co., Jackson, Miss. (5, 6, 8, 9) P. B. Bartmess. (7) J. V. Shelton. 4 screw pr., cap. 120 t. Storage cap. 1,000,000 bu. Served by MP, SLSF RR.

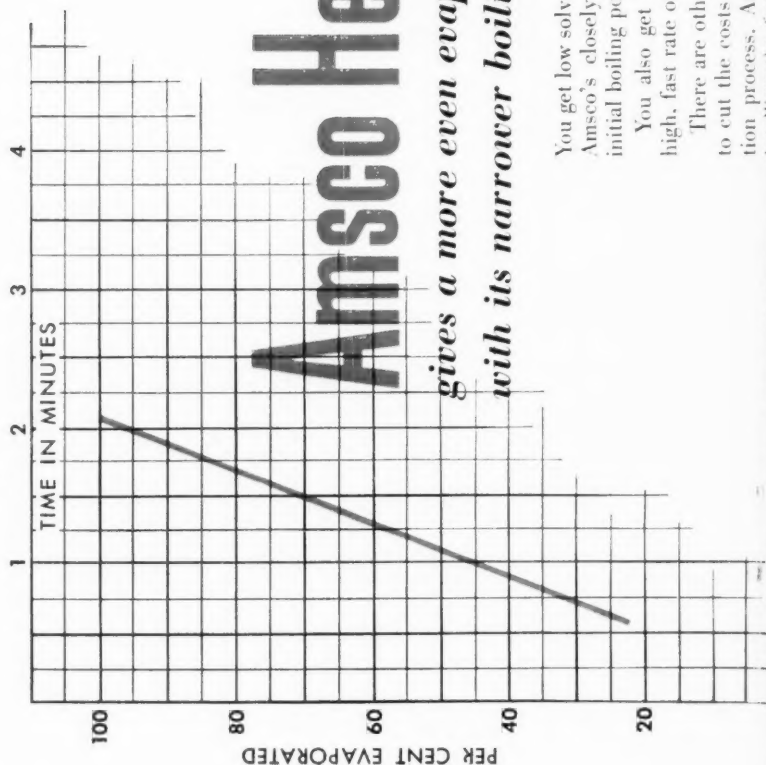
NEBRASKA

Fremont—FREMONT CAKE & MEAL CO. (1) John J. Vanier; (2) Harry B. Lilly; (3, 4, 5, 6, 8, 9) Harry E. Wyssel; (7) Del Gaeth. Storage cap. 650,000 bu. Served by UP, CB&Q, CNW RR.

Lincoln—GOOCH MILLING & ELEVATOR CO., 6th and South Sts. Ph. 3-2345. (1) H. B. Lilly; (2) J. J. Vanier; (3) Maria Scheidt; (4, 6, 9) M. R. Eighmy; (5) J. Floyd Chance; (7) Lloyd Graham. 2 screw pr., cap. 45 t. Storage cap. 505,000 bu. "Goode's Best" mixed feeds. Served by CB&Q, UP, CNW, MP, RI RR.

Omaha—ALLIED MILLS, INC. Main office Chicago. (7) L. Livengood; (9) E. H. Blough. Expeller. "Wayne" soybean oil meal, mixed feeds and pellets.

Evaporation Curve



Amsco Hexane

*gives a more even evaporation curve
with its narrower boiling range (151-156°)*

You get low solvent losses with Amsco Hexane because of Amsco's closely controlled narrow boiling range, high initial boiling point, and low dry end point.

You also get freedom from residue and odor, and a high, fast rate of extraction.

There are other good reasons for using Amsco Hexane to cut the costs and improve the quality of your extraction process. Amsco serves all 48 states promptly and consistently from strategically located refineries. Both

plants and distribution centers. To assure its purity, Amasco Hexane is delivered in tank cars and special containers used for this purpose only.

Samples, technical data and prices available on request. Write our Chicago office, 230 North Michigan Avenue, Dept. JA-92

**Representative tests
of Amasco Hexane . . .**

A.P.I. Gravity (60° F)	75.0
Specific Gravity (60° F)	.6852
Pounds/gallon (60° F)	5.703
A.S.T.M Distillation	
I.B.P.	151° F.
50%	154° F.
90%	154° F.
Dry Point	156° F.
Vapor Pressure @ 100° F, psia	5.0
Color, Saybolt	30 plus
Corrosion	pass
Doctor Test	sweet
Acidity	not acid

All specifications shown are typical of general control specifications and subject to minor fluctuations.



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CHICAGO, 230 North Michigan Avenue
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ATLANTA • BOSTON • BUFFALO • CARTERET • CINCINNATI • CLEVELAND • DETROIT • FT. WAYNE
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PROCESSORS—(Continued)

NEW YORK

Buffalo—SPENCER KELLOGG & SONS, INC., 28 Delaware Ave. Ph. Cleveland 5850. Plants at Long Beach, Calif.; Chicago and Decatur, Ill.; Des Moines, Iowa; Bellevue, Ohio. (1) Howard Kellogg, Jr.; (2) V. A. Acer; (2) Theodore C. Jewett; (2) Daniel J. Healy; (2, 5) R. B. Jude; (3) Fred J. Blacker; (4) C. L. Bruno; (6) R. L. Beyer; (8) R. E. Peterson, Expeller and hexane solv. "Spencer Kellogg's" 44% and 50% protein soybean oil meal; pellets; soy flour.

Oswego—OSWEGO SOY PRODUCTS CORP., E. Seneca St. (1) Stewart D. Ormsby; (2) R. F. Torton; (3, 4) L. H. Amdursky; (7, 9) A. F. Haylor; (8) Ralph Wyckoff; asst. secy-treas. R. C. Lester. 7 exp., cap. 135 t.; hexane solv., cap. 200 t. Storage cap. 200,000 bu. "Oswego Soy Products Corp." soybean oil meal; "Big O" mixed feeds. Served by NYC, OW, DL&W RR.

NORTH CAROLINA

Charlotte 1—BUCKEYE CELLULOSE CORP. Dist. mgr., J. C. Butler; (7) Wm. R. Johnston.

Clayton—CENTRAL OIL & MILLING CO., P. O. Box 67. Ph. 214-1. (1, 4, 5, 6, 8, 9) Paul Keller; (2) Elisabeth S. Keller; (3) J. E. Nelson; (7) Robert Wood. 2 French screw pr., cap. 40 t. Storage cap. 100,000 bu. "Comco" soybean oil meal. Served by SOU RR.

Farmville—MORGAN OIL & REFINING CO., 600 W. Pine St. (1) Irvin Morgan, Jr.; (3, 4) W. A. Pollard, Jr.; (7) H. V. Dixon. 3 hydraulic pr., cap. 24 t. Storage cap. 35,000 bu. "Jocko" soybean oil meal. Served by EC, NS RR.

Fayetteville—SOUTHERN COTTON OIL CO., 135 C. St., P. O. Box 592. Ph. 32129. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co. (7) J. Gault; (9) O. L. Stubbs. 6 hydraulic pr., cap. 45 t. "Soo-Co" soybean oil meal. Soybean operations 50%. Served by ACL RR.

Fremont—FREMONT OIL MILL CO. (1) J. B. Lane; (2) E. R. Lane; (3, 4) Percy Lane Hayes; (7) W. R. Jones. 3 hydraulic pr., cap. 25 t. Storage cap. 15,000 bu. "Fomco" soybean oil meal and crude soybean oil. Served by ACL RR.

Goldsboro—SOUTHERN COTTON OIL CO., P. O. Box 564. Ph. 196; LD 30. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co. (9) and dist. mgr., W. V. Westmoreland. 2 exp. "Soo-Co" 45% protein hydraulic soybean oil meal. Served by ACL, SOU, AEC RR.

Hertford—SOUTHERN COTTON OIL CO. Ph. 2131, 2141. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co. (7) W. C. Campbell; (9) W. J. Ward. 8 screw pr., cap. 75 t. Dormant. Served by NS RR.

New Bern—NEW BERN OIL & FERTILIZER CO. Ph. 3194, 3195. (1, 5, 6) John S. Weskett; (2) H. G. Swan; (3, 4) W. W. McCotter; (7) F. C. Shearin. 2 screw pr., cap. 40 t. Storage cap. 150,000 bu. "N-O-M" soybean oil meal, mixed feeds and pellets. Served by NS, AEC, ACL RR.

Raleigh—BUCKEYE CELLULOSE CORP. Dist. mgr., J. T. Wright; (7) J. F. Moody.

Rocky Mount—PLANTERS COTTON OIL & FERTILIZER CO., P. O. Box 912. Ph. 2-2131, 2-2132, 2-2133. (1, 6) R. D. Gorham; (2) W. M. Daughtridge; (2) J. D. Robbins; (2, 5, 8) W. T. Melvin; (2, 9) G. W. Gorham, Jr.; (3) T. H. Pitt; (4) J. L. Murphy; (7) C. J. Raynor. 12 hydraulic pr., cap. 60 t. Storage cap. 200,000 bu. "Planco" soybean oil meal. Served by ACL RR.

Rocky Mount—SOUTHERN COTTON OIL CO., P. O. Box 109. Ph. 2-3166. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) W. J. Davis; (9) J. E. Lambert, Jr. 2 exp., cap. 50 t. "Soo-Co" soybean oil meal. Soybean operations 25%. Served by ACL RR.

Tarboro—SOUTHERN COTTON OIL CO., Royster St. Ph. 2-03, 2-261. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. W. Rhodes; (9) W. D. Moore. 8 hydraulic pr. "Soo-Co" soybean oil meal. Served by ACL RR.

Weldon—SOUTHERN COTTON OIL CO., P. O. Box 628. Ph. 9-328. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) F. M. Wilson; (9) C. E. King. 10 screw pr. "Soo-Co" soybean oil meal. Dormant. Served by ACL RR.

Wilson—FARMERS COTTON OIL CO., 510 E. Barnes St. Ph. 2154. (1, 5, 6) T. F. Bridges; (2) C. P. Harris, Jr.; (3) J. L. Day; (4) H. M. Rogers; (7, 9) W. G. Bryant. 15 hydraulic pr., cap. 75 t. Storage cap. 275,000 bu. 45% protein soybean oil meal. Soybean operations 20%. Served by ACL, NS RR.

Wilson—SOUTHERN COTTON OIL CO. Ph. 3146, 3147. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. A. Arnold; (9) A. H. Wells. 8 hydraulic pr. "Soo-Co" soybean oil meal. Soybean operations 10%. Dormant. Served by ACL RR.

NORTH DAKOTA

Grand Forks—NORTH DAKOTA MILL & ELEVATOR. Ph. 4-5541. (5) K. Quantance; (6, 8) K. D. Ford; gen. mgr., R. M. Stangler; asst. mgr., P. R. Fossen. 3 screw pr., cap. 75 t.; hexane solv., cap. 45 t. Storage cap. 500,000 bu. "Dakota Maid" soybean oil meal, mixed feeds and pellets. Served by GN, NP RR.

OHIO

Bellevue—SPENCER KELLOGG & SONS, INC. Main office 98 Delaware Ave., Buffalo 5, N. Y. (7) H. Stokely. Hexane solv. 44% protein soybean oil meal; pellets. Served by NKP, PRR.

Cincinnati 1—BUCKEYE CELLULOSE CORP. Main office, (2) R. B. Williams; (2) W. H. Knapp; (2) B. J. Gault.

Cincinnati 32—DRACKETT CO., 5020 Spring Grove Ave. Plant at Evendale. Ph. Mulberry 6500. (1) Roger Drackett; (3) K. H. Jones; (4) Albert Hecking; (5) John V. Kasler; (6) R. A. Fledderman; (7) Don Ramseyer; (8) Martha Settelmayer. Served by NYC, PRR.

Coshocton—FARMERS SOY PRODUCTS, 126 Hickory St. Ph. 50. Affiliate of Coshocton Farmers Exch. (1) Arthur Erman; (2) Glen Scheetz; (3) Edward B. Endsley; (4, 6) and mgr., Burr Miskimen; (5, 8) Dean Marty; (9) Ted Watson. 2 screw pr., cap. 32 t. Storage cap. 60,000 bu. "Exco" Expeller soybean oil meal. Soybean operations 275,000 bu. yearly. Served by NKP, PRR.

Delphos—DELPHOS GRAIN & SOY PRODUCTS CO. Ph. 5201. (1, 4) Floyd E. Hiegel; (2) Wm. J. Mericka; (3) John Marsh; (5) Paul Metzner; (6, 8) E. M. Wiecher; (7, 9) Walter J. Suerer. 2 Anderson hexane solv., cap. 240 t. Storage cap. 1,500,000 bu. at Delphos and Lexington. Served by NKP, B&O, PRR.

Fostoria—SWIFT & CO. Main office Chicago. (7) F. E. Doll. (8) W. F. Hendren; H. F. Lester. "Swifts" soybean oil meal.

Manufacturers of . . .



For 41 % Protein Expeller Type Meal . . .

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DIKE, IOWA

WEST BEND ELEVATOR COMPANY
WEST BEND, IOWA

BIG 4 COOPERATIVE PROCESSING ASSN.
SHELDON, IOWA

For 44 % Protein Solvent Type Meal . . .

NORTH IOWA COOPERATIVE PROCESSING ASSN.
MASON CITY, IOWA

PROCESSORS—(Continued)

Marion—CENTRAL SOYA CO., INC. Main office Fort Wayne. (9) Wendell E. Mann. Solv., cap. 400 t. Storage cap. 2,500,000 bu. "Central Miracle" 44% and 50% soybean oil meal. "Control" lecithin. "Control" soybean oil products. "Master Mix" concentrates and complete feeds.

Ohio City—HOLLAND PIONEER MILLS, INC. (1, 3, 5, 6) G. A. Holland; (2, 4) J. R. Klosterman; (7) Owen Gephart; traffic mgr., R. J. Schnitz. 2 exp., cap. 46 t. Storage cap. 200,000 bu. "Lucky Strike" soybean oil meal, feeds and pellets. Served by ERIE, NYC, NKP RR.

Painesville—A. E. STALEY MFG. CO. Ph. Elmwood 4-3523. Main office Decatur, Ill. (8) Lyle Wiegand; (9) Thomas Longhous. Hexane solv. "Staley's" soybean oil meal. Served by B&O, NYC, NKP RR.

Rossvord—GENERAL MILLS, INC. soybean div. Ph. Lennox 6558. Main office Minneapolis. Grain buyer and office mgr., L. R. Brewster; (7) G. W. Martin. Hexane solv., cap. 250 t. Storage cap. 1,500,000 bu. "General Mills 44%" protein solv. (hexane) extracted soybean oil meal.

OKLAHOMA

Durant—DURANT COTTON OIL & PEANUT CORP. 401 Railway Ave. Ph. 1900, 1901. (1) G. W. Morrow; (2, 5, 6, 8) W. H. Sands; (2, 9) G. W. Morrow, Jr.; (3, 4) J. C. Taylor; (7) J. G. Enoch; office mgr., D. W. Sands. 2 exp., cap. 40 t. Storage cap. 100,000 bu. "Durco" soybean oil meal and pellets. Served by SLSF, KO&G, MKT RR.

Guthrie—GUTHRIE COTTON OIL CO., P. O. Box 446. Ph. 400; LD 10. (1, 6) H. P. Cook; (3) H. Dale Cook; (4, 8) Geo. Elder; (5) E. J. Murphy; (7) J. E. Satterfield. 6 screw pr., cap. 70 t. Storage cap. 173,000 bu. "Red Steer" soybean oil meal and pellets. Soybean operations 75%. Served by ATSF RR.

McAlester—McALESTER OIL MILL CO. 14th and Washington, P. O. Box 275. Ph. 710; LD 3. (1, 5, 6, 8, 9) P. F. Rosso; (2) S. C. Boswell; (3, 4) Jimmy Hall; (7) H. D. Moore; asst. mgr., J. A. Rosso. 4 French pr., cap. 55 t. Storage cap. 150,000 bu. "Red Seal" soybean oil meal and pellets. "Choctaw" mixed feeds. Served by RI, MKT RR.

Muskogee—MUSKOGEE COTTON OIL MILL. 724 N. Mill St. Main office Kimbell Oil Mill, Box 1540, Fort Worth. (5, 8, 9) G. N. Irish; (7) J. E. Earl. 3 French pr., cap. 60 t. Storage cap. 260,000 bu. "Musco" and "Red Seal" soybean oil meal and pellets. Served by MKT, SLSF, MV, KO&G RR.

Oklahoma City—PRODUCERS COOPERATIVE OIL MILL. 5 E. Frisco St. Ph. Central 2-5173. (1) W. H. Kosanke; (2) J. G. Stratton; (3) J. Bryan Gentry; (7) J. B. Haskew; (9) A. L. Hazelton; asst. mgr., B. W. Heath. 5 screw pr., cap. 100 t. Storage cap. 350,000 bu. "Co-op" soybean oil meal and pellets. Served by SLSF RR.

Oklahoma City—SOUTHLAND COTTON OIL CO. div. Anderson, Clayton & Co. Main office Paris, Tex.

Oklahoma City—SOUTHWESTERN COTTON OIL CO. 6 SE. 4th St., P. O. Box 1217. (1) R. A. Vose; (2) A. E. King, Jr.; (3, 4, 5, 6, 8, 9) Mrs. G. E. Mace; (7) Herbert Hott. 6 hydraulic pr., cap. 62 t. Storage cap. 400,000 bu. "Little Bull" soybean oil meal and pellets. Soybean operations 50%. Served by ATSF, RI, MKT, SLSF RR.

PENNSYLVANIA

Philadelphia—CARGILL, INC. Pier 100, S. Delaware Ave. and Bigler St. Ph. Howard 51313. Main office Minneapolis. (9) Thomas Donnelly. Exp. "Cargill" soybean oil meal.

SOUTH CAROLINA

Bennettsville—SOUTHERN COTTON OIL CO. 215 Spencer St. Ph. 75. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) J. D. Costner; (9) R. G. Eubanks. "Seco" soybean oil meal. Dormant. Served by ACL RR.

Camden—SOUTHERN COTTON OIL CO. Ph. 54. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) H. H. Pooser; (9) Thomas Ancrum. 2 French screw pr., cap. 25 t. "Seco" soybean oil meal. Soybean operations 25%. Dormant. Served by SOU, SA RR.

Kershaw—KERSHAW OIL MILL. (1) and gen. mgr., H. L. McPherson; (2) Edna S. Stevens; (2) Fred E. Culvern; (3) John S. Davidson; (4) and asst. gen. mgr., T. V. Hough; (7) Y. L. Copeland. 5 exp., cap. 125 t. Storage cap. 500,000 bu. 45% protein soybean oil meal. Served by SOU RR.

Lancaster—LANCASTER COTTON OIL CO. Affiliate Kershaw Oil Mill. (1, 5, 6) H. L. McPherson; (2, 4, 8) W. G. Taylor; (3) A. P. McLure; (7, 9) W. Ben Sowell. 2 exp., cap. 70 t. Storage cap. 150,000 bu. "Palmetto" soybean oil meal. Soybean operations 33%. Served by SOU, LC RR.

Marion—MARION COTTON OIL CO. Affiliate of Kershaw Oil Mill. (1, 5, 6, 8) H. L. McPherson; (3) John S. Davidson; (4) T. V. Hough; (7) Roy Peebles; (9) W. W. Snipes. 3 screw pr. Storage cap. 25,000 bu. Served by ACL RR.

Orangeburg—SOUTHERN COTTON OIL CO. P. O. Box 313. Ph. 12, 2237. Main office New Orleans. Subsidiary of Wesson Oil & Snowdrift Co., Inc. (7) L. T. Zeigler; (9) C. R. Duncan. "Seco" soybean oil meal. Dormant. Served by SOU, ACL RR.

TENNESSEE

Chattanooga—CENTRAL SOYA CO., INC. Main office Fort Wayne, Ind. (9) Robert W. Fay. Solv., cap. 500 t. Storage cap. 3,000,000 bu. "Central Miracle" 44% and 50% soybean oil meal. "Control" lecithin. "Control" soybean oil products. "Master Mix" concentrates and complete feeds. Served by SOU RR.

Memphis—BUCKEYE CELLULOSE CORP. Western div. mgr., W. R. Flippin; dist. mgrs., T. F. Horn, R. H. Norris; Binghamton Mill (7) J. M. Williams; Hollywood Mill (7) W. E. Hassler.

Memphis—SWIFT & CO., P. O. Box 3867. Lamar Sta. Main office Chicago. (5, 9) E. C. McGee; (7) W. H. Stewart; (8) J. C. Prah. "Swift's" soybean oil meal.

Nashville—NASHVILLE COTTON OIL MILL CORP. 410 Chestnut St. (1, 6, 8) E. Rice, Jr.; (2) S. H. Ridens; (3, 4, 5) W. W. Smith; (7) Joseph Kennedy. Anderson solv., cap. 100 t. Storage cap. 300,000 bu. "Famous" mixed feeds and pellets; soybean oil meal. Soybean operations 33%. Served by N&C, L&N RR.

Ridgely—PHOENIX OIL MILL. Ph. 87. (1, 9) George Wynn Smith; (7) William E. Lindamood. Prepressing plant (4 exp., hexane solv.). cap. 80 t. Storage cap. 360,000 bu. "Pure Gold" 44% protein soybean oil meal. Served by IC RR.



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PROCESSORS—(Continued)

Tiptonville — WEST TENNESSEE SOYA MILL, INC. Ph. 212; LD 60. (1) J. E. Vaughn; (2, 5, 6, 8, 9) Peter Frederickson; (3, 4) W. A. McUtchen; (7) Thos. Hutchinson. Allis-Chalmers hexane solv., cap. 151 t. Storage cap. 950,000 bu. 44% protein solv. ext. soybean oil meal. Soybean operations 35,000 t. Served by IC RR.

TEXAS

Gatesville—CORYELL COUNTY COTTON OIL CO. Ph. 6. (5, 6) and owner, R. S. Ray; (7) Robert C. Howell; (8, 9) Joe L. Galey. 4 French screw pr., cap. 80 t. Storage cap. 100,000 bu. Soybean oil meal and pellets; "Golden Gate" mixed feeds. Principal crush is cottonseed. Served by SSW RR.

Hamlin — MID WEST COOPERATIVE OIL MILL, P. O. Box 398. Ph. 174. (1) T. T. Smith, Colorado City; (2) F. W. Poe, Hamlin, Tex.; (3, 4, 9) R. L. McClung; (7) D. A. Mullings. 4 French screw pr., cap. 120 t. Storage cap. 235,000 bu. Crush soybeans when cottonseed not available. Served by MKT, ATSF RR.

Paris—SOUTHLAND COTTON OIL CO. div. of Anderson, Clayton & Co. Processing plants at Oklahoma City, Okla.; Shreveport, La.; Jackson, Miss. Gen. mgr., J. R. Gill.

San Marcos—SAN MARCOS OIL MILL, P. O. Box 8. Ph. 8. (1) L. J. Eastwood; (3, 4, 5, 6, 8, 9) H. K. Eastwood; (7) Albert Damerau. 1 screw pr., cap. 15 t.; 3 hydraulic pr., cap. 20 t. Storage cap. 200,000 bu. 41% protein soybean oil meal, and pellets. Served by IGN, MKT RR.

Seguin—SEGUIN COTTON OIL CO., 561 W. New Braunfels, P. O. Box 750. Phone 5, 47. (1) D. C. Blumberg; (2) Q. Dittmar; (3, 4, 5) Hugo G. Schmitt; (7) Foy Kuhn. 1 screw pr., cap. 69 t. Storage cap. 100,000 bu. "Sunny Home" mixed feeds and pellets. Soybean operations about 33%. Served by SP RR.

Sherman—GENERAL VEGETABLE OIL CO. Ph. LD 45. Also office Fort Worth. Affiliate of Kimbell-Norris Mills. (1, 6) P. A. Norris, Jr.; (2) Kay Kimbell; (2, 5, 8) W. B. Vaughan; (3) B. J. Quinn; (7) J. H. Fryer; (9) F. D. Phillips. 4 screw pr., hexane solv., cap. 200 t. Cottonseed major operation. Served by MKT RR.

Wharton—PEOPLES COTTON OIL CO., P. O. Box 1180. Plant 500 Sunset St. Ph. 43, 84. (1, 4, 5, 6, 9) H. E. Wilson; (2) Mrs. Hans Guldman; (3) S. R. Harmanson, Jr.; (7) Fred Johnson. 2 French screw pr., cap. 100 t. Storage cap. 10,000 bu. 43% soybean oil meal. Soybean operations part time. Served by SP ATSF RR.

VIRGINIA

Suffolk—SUFFOLK OIL MILL, INC., P. O. Box 776. (1, 5, 6, 8) J. W. Caulk, Jr.; (2) L. R. Caulk; (3, 4) J. F. Caulk; (7) J. H. Jones. Soybean operations 35%. Served by VGN RR.

WISCONSIN

Janesville—JANESVILLE MILLS, INC., 411 S. Pearl St. Ph. 3371. (1) Ralph Wells; (2) Geo. Conway; (3, 4, 9) A. Roger Hook. 2 screw pr., cap. 30 t. Storage cap. 120,000 bu. "JM" old process soybean oil meal. Not processing soybeans at present. Served by MILW, CNW RR.

CANADA

Altona, Man. — CO-OP VEGETABLE OILS LTD., P. O. Box 150. Ph. 62. (1) J. J. Peters; (2) Jac Hooge; (3, 4) D. K. Friesen; (5) John Funk; (6, 8, 9) John Enns. 3 exp., cap. 50 t. Storage cap. 250,000 bu. Soybean operations 250,000-400,000 bu. Served by CP RR.

Fort William, Ont. — EDIBLE OILS LTD., P. O. Box 130. Main office Winnipeg, Man. (1) K. A. Powell; (2) J. Gordon Ross; (3, 4) W. T. Powell; (7) R. A. Purves; (9) A. J. Lamminen. 4 exp., cap. 80 t.; solv., cap. 50 t. Storage cap. 50,000 bu. "Edible" soybean oil meal. Served by CN, CP RR.

Hamilton, Ont. — CANADIAN VEGETABLE OIL PROCESSING LTD., Victoria Ave. and Burlington St. (1, 5, 6, 8, 9) G. S. Boulter; (2) J. Reesor; (3, 4) G. H. Vinall; (7) B. Mooney. Anderson hexane solv., cap. 125 t. Storage cap. 500,000 bu. "CVOP" soybean oil meal. Served by CN RR.

Toronto, Ont.—TORONTO ELEVATORS LTD., 417 Queen's Quay W. Ph. Empire 4-7161. (1) J. D. Leitch; (2) R. C. Berkinshaw; (2) feed div., F. W. Present; (2, 5) grain div., A. D. Clark; (3) F. T. Carnegie; (4) G. W. Hawes; oil mgr., G. W. Stepan; oil prod. mgr., R. S. Wayman; (8) W. G. Milliken. 8 screw pr., cap. 150 t.; hexane solv., cap. 150 t. Storage cap. 2,000,000 bu. "Double Diamond" soybean oil meal; "Master" mixed feeds and pellets. Served by CN, CP, RR.

Toronto, Ont.—VICTORY SOYA MILLS, LTD., 285 Fleet St. E. Affiliate of Procter & Gamble Co., Cincinnati, Ohio. Ph. Empire 2-8771. (2) and gen. mgr., E. L. Newman; (2, 3) G. Abrams; (2, 5) in charge purchases, A. R. Gillespie; (2, 7) R. G. Loftus; (2, 8) J. C. Henderson. 5 screw pr.; hexane solv. Storage cap. 1,100,000 bu. "VeeLine" soybean oil meal; "Soywhite" soy flour. Served by CN, CP RR.

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DECATUR, ILLINOIS

PAINESVILLE, OHIO

FOREIGN PROCESSORS

Includes the firms about which the editors were able to obtain information. Not a complete list.

BELGIUM

Izegem—S. A. HUIJERIES VANDEMOORTELE, Boulevard Albert, 8. Ph. 57, 237, 351, 1275. (1) Adhemar Vandemoortele; (5, 6) Raymond Vandemoortele. Hexane solv., cap. 120 t. Storage cap. 300,000 bu.

DENMARK

Copenhagen—DANISH OIL MILLS & SOAP FACTORIES, INC., 11, Lyngbyvej. Ph. Central 8612. (1) F. Brandt-Hansen; (3) C. C. Clausen; (4) S. A. Lehd; (5) S. Guldner; (6, 8) P. Mortensen; (7) P. Mengel; (9) C. Munck. 4 exp. and solv. Storage cap. 75,000 bu. "Oliemøllen's" soybean oil meal. Did not operate on soybeans in 1954. Served by Danish State Railways.

ENGLAND

London, E. C. 4—BRITISH OIL & CAKE MILLS LIMITED, Unilever House, Blackfriars. Also 3 more plants in England and 1 in Scotland. Chm., G. Chipperfield; vice chm., A. E. Robinson; tech. dir., J. C. Collingwood. Exp. and hexane solv. "B.O.C.M. Ltd." mixed feeds and pellets. Soybean operations part time. Served by British Railways.

London, E. C. 3—SOYA FOODS LTD., 40 St. Mary Ave. Ph. Avenue 4971. Plant, Atlantic Wharf, East Dock, Cardiff, South Wales. Ph. Cardiff 29534. Affiliate of Spillers Ltd. Hexane solv., cap. 150 t. Storage cap. 186,666 bu. at Cardiff. Soybean oil meal and defatted soy flour; "Soyolk" full-fat soy flour. Soya lecithin 65/35. Served by British Railways, Western Region.

FRANCE

Bordeaux—GRANDE HUILERIE BORDELAISE, 8, cours de Gourgue. Plant at 180 quai de Braza, Bordeaux-Bastide. (1) M. Philippart. 11 screw pr., cap. 150 metric t.; solv., cap. 150 metric t. Storage cap. 10,000 metric t. "Croix-Verte" soybean oil meal; "Nutrix" mixed feeds; "Fluidor" lecithin. Served by SNCF RR.

Fecamp—GRANDE HUILERIE BORDELAISE, route de Rouen. (1) M. Philippart. 14 screw pr., cap. 90 metric t.; solv., cap. 90 metric t. Storage cap. 5,000 metric t. "Croix-Verte" soybean oil meal; "Nutrix" mixed feeds; "Fluidor" lecithin.

Paris, (8eme)—HUIERIES PIERRE MARCHAND FRERES & CIE, 37, rue du General Foy. Ph. Europe 50-56. Enterprise at Petite Synthe (Nord). (1) M. Maurice Marchand; (2) M. Andre Marchand; (7) Monsieur Andre Doyon. 8 exp., cap. 100 t.; hexane solv., cap. 75 t. Storage cap. 6,000 metric t. Soybean operations 3,000 metric tons.

Paris (9eme)—SOCIETE DESMARIS FRERES DE PRODUITS OLEAGINEUX (SODEO), 2, rue de la Chaussee d'Antin. Ph. Taillout 95-50. Plant at Le Hayre. (1) Stephane Desmaris. 7 exp., cap. 100 t.; gasoline 60/80 or hexane solv., cap. 75 t. Storage cap. 650/680,000 bu. Soybean oil meal, mixed feeds and pellets. Soybean operations part time according to supplies.

GERMANY

Dusseldorf/Holthausen—HENKEL & CIE., G.m.b.H., Henkelstrasse 67. Solvent plant not operating.

Hamburg 36—MARGARINE-UNION A.G.

Hamburg 28—STETTINER OELWERKE IN HAMBURG A.G. Directors, G. Saltzwedel, Dr. O. Tewaag; (6, 8) K. Viergutz. 12 screw pr., cap. 150 t.; benzine solv., cap. 250 t. Storage cap. 5,000 t. Soyaschrot "Imperial" soybean oil meal; "Mandschu" and "Sedina" refined oil.

Hamburg-Altona—NORDDEUTSCHE OELMUEHLENWERKE G.m.b.H., Stresemannstr. 375. (1) Dr. Samwer. 6 screw pr., cap. 300 t.; benzine solv., cap. 300 t. Storage cap. 2,000 t. a 1,000 kg "Emporia" soybean oil meal.

Hamburg-Harburg—HARBURGER OELWERKE BRINCKMAN & MERGELL, Sechstenstrasse 2. Ph. 77 11 41. (1) Max John Brinckman; (2) K. V. v. Sydow; (4) W. Plett; (5) W. A. Sostmann; (6) R. Zehe; (7) H. v. Westernhagen; (8) W. Seiffert; (9) H. Schnakenberg; chief chemist, Dr. J. Baltes. Screw pr., cap. 750 t.; German special solvent 75/85 C or hexane, cap. 750 t. Storage cap. 900,000 bu. "Hobum" soybean oil meal. Served by Hamburg-Unterelbe, Anschlussgleis 11 RR.

Hamburg-Harburg—F. THORIS VEREINIGTE HARBURGER OELFABRIKEN AKTIENGES. ELLSCHAFT, Schliesstach 47. Ph. Hamburg 77 1211. (3) Dr. Guschall; (4) ten Haven; (5) Dr. Schraud; (6) Halder; (7) Wardenphul; (8) Wartberg; (9) Hanel. Benzine solv., cap. 500 t. Storage cap. 20,000 t. at Citadel. "Thorl" soybean oil meal. Soybean processing 25%. Served by Deutsche Bundesbahn RR.

Hamburg-Wilhelmsburg—HANSA-MUEHLE A. G., Kohlbrandstr. 1. Plants for extraction, oil refining and hardening at Hamburg-Neuhof. (1) Erich Ancker; (7) A. Kleinhempel. 4 screw pr., cap. 360 t.; benzine solv., cap. 400 t. Storage cap. 440,000 bu. Sojaschrot "Hansaecthin Extra" lecithin.

Krefeld-Uerdingen—HOLTZ & WILLEMSSEN K.G., Querstr. 30. Ph. Krefeld 43251. Mgr.: Geschäftsführer: Dr. Helmut Bock, Reiner Willemsen. Benzine solv., cap. 200 t. Storage cap. 5,000 tons. "Holtz & Willemsen" soybean oil meal.

Neuss/Rhein—O. & L. SELS, Dusseldorfstr. 101. Ph. 4054-56. 4 screw pr., cap. 100 t.; hexane solv., cap. 100 t. Soybean oil meal.

Neuss/Rhein—C. THYWISSSEN, Oelfabrik. (1) Josef, Carl and Hermann Thywissen. 17 exp., cap. 350 t.; solv., cap. 600 t. Also refining. Storage cap. 350,000 bu. Lecithin.

Neuss/Rhein—WALTER RAU NEUSSER OELWERKE A.G., Industriestrasse 36. (1) Dr. Hubertus Carls; (5) Erich Ancker.

ISRAEL

Haifa—"SIEMEN" ISRAEL OIL INDUSTRY LTD., Box 136. Ph. 4681, 4682, 4683. Mg. dir., Uriel Shalom; (5) Samuel Ousiel; (7, 9) Joseph Zaretsky. 10 screw pr., cap. 100 t. Allis-Chalmers and De Smet benzine solv., cap. 225 t. Storage cap. 200,000 bu. "Shemen" soybean oil meal. Approximate soybean operations up to 1,600 tons monthly. Served by Haifa Port.

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(Continued)

Tel-Aviv—CONSOLEX LTD., P.O.R. 823. Ph. 2327/8-9. Plant at Nahlat Izhak Quarter. Subsidiary of Izhak Oil Industry of Palestine Ltd. Joint managing directors, A. L. Lichtenstein, M. Green; (3, 4) F. Berger; (5) Food Controller of the Government of Israel, Israel Oil Crushers' Pool Ltd.; (6) S. Frenkiel; (7, 9) S. Borock M.E.; (8) M. Cohen. Hexane solv., cap. 120 t. Storage cap. 3,000 t. "Consolex" soybean oil meal. Soybean operations 6 mo. Served by Haifa-Tel-Aviv RR and/or Lorry.

JAPAN

Aomori-shi—TOWADA INDUSTRY CO., LTD., No. 123 Matsubara-cho. Ph. 5772, 5874, 5497. Affiliate of Wadakan Shokuryo Co., Ltd. (1) H. Wada; (2) S. Wada; (3, 5, 7, 9) Z. Wada; (4) S. Yokouchi; (6, 8) T. Kato. Hexane solv., cap. 45 t. Storage cap. 27,000 bu. "Towado" soybean oil meal. Soybean operations approximately 75%. Served by Uramachi Station, Tohoku RR.

Handa City—ASAHI OIL CO., LTD., 21 Kamigashima, Kamezaki. Ph. 21. (1) S. Kojima; (3) A. Kojima; (4) Y. Tanaka; (5, 8) M. Yamada; (6) H. Dogaki; (7) Y. Nakamura. Hexane solv., cap. 53 t. Storage cap. 1,500 t. "Asahi Mame" soybean oil meal. Approximate soybean operations, 25 t. per day. Served by Taketoyo Line, Japanese National RR.

Hokkaido—HOKUO OIL CO., LTD., 6-chome, Nagayama-dori, Asashikawa. Branch offices Ota-ku, Tokyo, and Sapporo, Hokkaido. Ph. 16, 8303, 5950, 5951, 5952. (1) S. Morikawa; (2, 7) E. Kita; (3) T. Morikawa; (4) Y. Ono; (6, 8) S. Kagotani; (9) I. Wakamatsu. 2 screw pr., cap. 10 t.; hexane solv., cap. 141 t. Storage cap. 120,000 bu. "Hokuo" soybean oil meal; soap fatty acid, lecithin. Approximate soybean operations, 6,500 t.

Okayama—NIHON KOUYU KOGYO K.K., No. 83 Minamigata. Ph. Okayama 3-1101. Chm. of board, Kameshiro Akazawa; (1) Teiji Tabuchi; (2) Hisao Morioka; (3) Ichiro Nakamura; (5) Isao Akazawa; (6) Tamotsu Kobayashi; (7) Tsugio Kato; (9) Takaichi Suetsuna. 22 screw pr., cap. 120 t.; hexane solv., cap. 300 t. Storage cap. 100,000 bu. "Nikko" soybean oil meal.

Osaka—UEDA OIL MILL CO. LTD., 1222 Hanaten-cho Jhoto-Ku. Ph. (33)1456-9. (1) Chon-oshin Ueda; (2) Hyozo Ueda; (3) Kyoichi Inoue; (4) Yukihiko Murakami; (5) Chotaro Kashiyama; (6) Masanobu Iwanaga; (7) Zennosuke Morita; (8) Uobno Adachi; (9) Joshiaki Kawata. 5 screw pr., cap. 50 t.; hexane solv., cap. 50 t. Storage cap. 14,000 bu. Approximate soybean operations, 1,000 t. Served by Katamachi RR.

Osaka—YOSHILARA OIL MILL, LTD., No. 1 Sozecho, Kitaku. Ph. (44) 7651-7659(9). Plant at Imazu, Nishinomiya, Hyogoken. Ph. Nishinomiya 5501-5506(6). (1) Jiro Yoshihara; (2) Hideka Taniguchi; (5) Tetsu Nakamura; (6) Kyoji Yatohji; (7) Takeo Abe; (9) Takuji Wada. 44 screw pr., cap. 300 t. solv., cap. 350 t. Storage cap. 800,000 t. "Gotoku" soybean oil meal. Soybean operations approximately 800,000 bu. annually under present government allocation system. Served by Tokaido RR.

Saga—RIKENNOSAN KAKO CO. LTD., Otakara 375. Ph. 4181, 4182, 4183, 4184. Affiliate of Uike Co. Ltd. (1) Shiro Uike; (2) Goro Uike; (3) Murato Higuchi; (4) Hiroshi Fujii; (5, 6, 8) Jogoro Imamachi; (7) Hajime Mori; (9) Yoshiharu Otakawa. Screw pr. and hexane solv., cap. 75 t. Storage cap. 40,000 bu.

Shiga-ken—TAIYO SEIYU CO. LTD., No. 72 Inoko Notogawa-cho, Kanazaki-gun. Ph. Notogawa 1, 101. (1, 7) S. Takasu; (4) T. Inoue; (6, 8, 9) mg. dir., S. Fukuchi. 8 screw pr., cap. 40 t.; hexane solv., cap. 20 t. Storage cap. 36,740 bu. "TS" soybean oil meal. Served by the Japanese National RR.

Shimonoseki—OHTSUYA CO. LTD., Kibunemachi chome. Ph. (2)795-796-1395-4965. (1) Yoshisuke Hayashi; (2) Kousuke Hayashi; (3) M. Hayashi; (3) T. Edamura; (4) Takeji Kameda; (6) Kaoru Abe; (7) Sumao Tashiro; (8) Shoji Naito; (9) Shinji Koyama. Benzene solv., cap. 60 t. Storage cap. 80,000 bu. at Moji. "Maruso" soybean oil meal and pellets. Soy flour. Approximate soybean operations 3,000 t. annually.

Tokyo—HOHNE OIL CO., LTD., 5 2-chome, Horidome-cho, Nihonbashi, Chuo-ku. Plants at Shimizu, Nanto, Sakaide. Offices in Osaka, Nagoya, Sapporo. Chm., Kintaro Sugiyama; (1) Mototaro Sugiyama; mg. dir., Mitsuo Hirano and Motonobu Sugiyama. Total daily cap. 1,200 t. "Holmen" soybean oil, meal glue, lecithin and other vegetable oils and meals.

Tokyo—NISSEIN OIL MILLS, LTD., 2 2-chome Shinkawa Chuo-Ku. Plant at 3 1-chome Chiwakacho Kanagawa-ku, Yokohama. Ph. 4-591-4. (1) Yukio Sakaguchi; (7) Hanetaro Zusho. 34 screw pr., cap. 180 t.; hexane solv., cap. 250 t. Storage cap. 400,000 bu. "Daikyu" soybean oil meal. Also soya glue, lecithin, fatty acid.

Yao-City—HIRANO OIL MILL, LTD., 1293 Uematsu, Osaka Pref. Ph. Yao 440, 441. (1) H. Shimazu. 5 screw pr., cap. 15 t.; hexane solv., cap. 30 t. Storage cap. 20,000 bu. Mixed feeds. Approximate soybean operations 800 t. per month. Served by Kansai line of Japan National RR.

Yokkaichi—KUMAZAWA VEGETABLE OIL MFG. CO., LTD., Suchirocho 10. Ph. 4,125. (1) J. Hayashi; (3) M. Kumazawa; (9) K. Ogata; mg. dir., J. Kuzuhara, M. Okumura; auditors, K. Mizutani, S. Toshimori; chief mg. partner, K. Nakayama; chief research worker, T. Kumazawa. 12 screw pr., cap. 102 t.; hexane solv., cap. 57 t. Storage cap. 81,000 bu. "Ichikawa" soybean oil meal and Shirashime cooking oil. Served by a canal from Yokkaichi port.

Yokohama—AJINOMOTO CO., INC., 30 Daikoku-cho, Tsurumi-ku. Ph. Tsurumi 5671-6. Also plant at 2963, Suzuki-cho, Kawasaki. Head office, 7 1-chome, Takaracho, Chuo-ku, Tokyo. Offices, 0 Broad St., New York 4, and 124 S. San Pedro St., Los Angeles 12. (1) Toyonobu Doney; (4) Bunzo Watanabe; (5, 6) Kyoji Suzuki; (9) Harumi Oeda. 7 screw pr. (for rapeseed only), cap. 130 t.; Hexane solv., cap. 350 t. Storage cap. 800,000 bu. Soybean oil meal for own consumption. "Ajinomoto" monosodium glutamate, seasoning agent for foods; "Mieki" hydrolyzed vegetable protein (liquid, MSG being partially extracted), blending material for fermented Japanese soy sauce; "Ajinomoto's" lecithin. Served by Tokaido RR.

Yokohama—SHOWA SANGYO CO., LTD., 24, Daikoku-cho, Tsurumi-ku. Ph. Kanda (25) 7101-7115. Office at 5, Kanda-Kamakura-cho, Chiyoda-ku, Tokyo. (1) K. Matsumoto; (2) K. Ideta; (4) I. Takahashi; (5, 7) K. Hirano; (6, 8) H. Katagiri; (9) S. Takahashi. 8 screw pr., cap. 100 t.; hexane solv., cap. 378 t. Storage cap. 900,000 bu. "Maru-Ni" soy oil meal and mixed feeds. Approximate soybean operations 90%.

FOREIGN PROCESSORS—

(Continued)

NORWAY

Oslo—A/S NORSK SOYAMELFABRIK, Fr. Nausenspl. 9. Phone 427353. Plant at Larvik. Phone 1516. (1, 5) Ludvig Ramm; (7) Arne Flood; (9) Karl Schoning, Solva, cap. 115 t. Storage cap. 200,000 bu. "Prota" soybean oil meal. Served by Oslo-Drammen-Larvik RR.

SOUTH AMERICA

Campinas-Sao Paulo-Brazil—CIA SWIFT DO BRAZIL S.A. Ph. 3291-2-3. Affiliate of International Packers Ltd. Head office Sao Paulo. (1) M. W. Irwin; (2) C. E. Wynn; (3, 4) F. S. Lanzetta; (5, 6, 8, 9) O. H. Obertopp; (7) R. H. Welker. 10 screw pr., cap. 60 t. Storage cap. 400,000 bu. "Swift-Plate" soybean oil meal; low-fat soy flour. Soybean operations 2,000-5,000 t. Served by E. F. Paulista-Mogiiana-Sorocabana RR.

Santa Rosa, R.G.S. Brazil—INDUSTRIA GAUCHA DE OLEOS VEGETAIS LTDA., Rua Santa Cruz S. N. Mill owner and exporter. Directors, K. W. Tse, Enrico Lensin, Joao E. Meneghetti, S. M. Lima. 4 screw pr., cap. 20 t. Storage cap. 900,000 kilos. 1955 soybean operations, crushing 4,500 t., export 2,500 t.

Sao Paulo-Brazil—CIA SWIFT DO BRASIL S.A. Head office. Plant at Sao Jose de Rio Preto. Ph. 165. Affiliate of International Packers. (1) M. W. Irwin; (2) C. E. Wynn; (3, 4) F. S. Lanzetta; (5, 6, 8, 9) O. H. Obertopp; (7) D. J. Lima. 4 screw pr., cap. 40 t. Storage cap. 300,000 bu. "Plate-Swift" soybean oil meal. Soybean operations part time. Served by Estrado de Ferro Araraquera RR.

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Jacksonville—MRS. TUCKER'S PRODUCTS, div. of Anderson, Clayton & Co., P. O. Box 368, RFD No. 6.

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Dallas—PROCTER & GAMBLE MFG. CO.

El Paso—WESTERN COTTON OIL CO., div. of Anderson, Clayton & Co. refinery div.

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Birdsboro, Pa.—STERNER'S SPECIAL FOODS, R. 2. Aoda variety mature green soybeans packed as table beans in water, with and without salt.

Bloomsburg, Pa.—BLOOMSBURG PACKING CO., 840 Catherine St.

Hortonville, Wis.—FOX VALLEY CANNING CO.

CANNERS OF MATURE SOYBEANS

Mt. Vernon, Ohio—LOMA LINDA FOOD CO., eastern div., P. O. Box 388. Home office Arlington, Calif. Pack dry soybeans in tomato sauce.

COOKIES, CRACKERS, TOASTS AND WAFERS

Los Angeles 31, Calif.—CUBBISON CRACKER CO., 3419 Pasadena Ave. "Cubbison's" soya toast, cookies and crackers.

New York, N. Y.—NATIONAL BISCUIT CO., 449 W. 14th St. "Triangle Thins."

FROZEN DESSERTS

The following firms manufacture vegetable oils used in frozen desserts:

Wilmington, Calif.—VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave., P. O. Box 248.

Chicago 9, Ill.—WILSON & CO., 41st St. and S. Ashland Ave. "Frosto."

Buffalo, N. Y.—SPENCER KELLOGG & SONS, INC., '98 Delaware Ave.

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FROZEN DESSERTS—(Continued)

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New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plant at 416 Division St., Bonton, N. J.

Cleveland 14, Ohio—GLIDDEN CO., 1396 Union Commerce Bldg. Refineries at Berkeley, Calif.; Chicago, Ill.; Louisville, Ky.; Elmhurst, L. I., N. Y. "Kaloa."

Columbus, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave.

Sherman, Tex.—MRS. TUCKER'S PRODUCTS, div. of Anderson Clayton & Co., 1201 E. Pecan St. Also plant at Jacksonville, Ill. "Velvet-M."

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Chicago 11, Ill.—WM. H. LEAHY CO., INC., 577 E. Illinois St. Wholesaler.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204. Health food distributor.

Olmsdt Falls, Ohio—NATURAL FOODS INC., Handler.

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Chicago 39, Ill.—GLIDDEN CO., soya products div., 1825 N. Laramie Ave.

Decatur, Ill.—A. E. STALEY MFG. CO. For chocolate, margarine, baking and other food uses. Bleached and unbleached. Fluid and regular grades. Granular. Oil free available.

Fort Wayne, Ind.—CENTRAL SOYA CO., INC., Clinton, Iowa -- PILLSBURY MILLS, INC., 300 Wilson Bldg.

Minneapolis, 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg.

Minneapolis, Minn.—GENERAL MILLS, INC., soybean div., 700 General Mills Bldg. Sales mgr., W. E. Flumerfelt.

New Brunswick, N. J.—W. A. CLEARY CORP. Also Chicago, Ill., and Belleville, Ont. Manufactures purified and crude soya lecithin.

New York 17, N. Y.—ENCO CHEMICAL CORP., 441 Lexington Ave.

New York 4, N. Y.—ROSS & ROWE, INC., 50 Broadway. Also Wrigley Bldg., Chicago 11, Ill.

New York 6, N. Y.—SUPERIOR MATERIALS, INC., 120 Liberty Street. Soya lecithin.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204. Lecithin Jel and capsules.

Woodside 77, L. I., N. Y.—AMERICAN LECITHIN CO., INC., 57-01 32nd Ave. Soybean lecithins and derivatives; lecithinated flours. Dietary supplements based on lecithin.

Belleville, Ont., Canada—LECITHIN PRODUCTS (CANADA) LTD., 48 Dundas St. W. Subsidiary of W. A. Cleary Corp., New Brunswick, N. J.

MACARONI, SPAGHETTI, NOODLES

Champaign, Ill.—DIETARY FOOD STORE, 504 N. Prairie. Handler.

SOYBEAN BLUE BOOK

MARGARINE

Birmingham, Ala. — SUNNYLAND REFINING CO., 3330 10th Ave. N.

Osceola, Ark. — OSCEOLA FOODS, INC., P. O. Box 389.

Oakland 12, Calif. — COLDSTREAM PRODUCTS CO., div. Salem Commodities, Inc., 405 14th St.

Wilmington, Calif. — VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave.

Atlanta 2, Ga. — MAR GOLD CORP., 1275 Pryor Rd. S.W., P. O. Box 4575.

Thomasville, Ga. — SOUTHERN HARVEST, INC., P. O. Box 198.

Chicago 9, Ill. — ARMOUR & CO., Union Stock Yards.

Chicago 1, Ill. — CUDAHY PACKING CO., margarine div., 221 N. LaSalle St.

Chicago 90, Ill. — KRAFT FOODS CO., 800 Peachtree Ct.

Chicago 9, Ill. — SWIFT & CO., Union Stock Yards.

Chicago 9, Ill. — WILSON & CO., INC., 400 S. Ashland Ave.

Evanston, Ill. — ALL-FRESH FOODS, INC., 2156 Green Bay Rd.

Jacksonville, Ill. — MRS. TUCKER'S PRODUCTS, div. Anderson Clayton & Co.

New Orleans, La. — BLUE PLATE FOODS, INC., Box 12014, Broadmoor Sta.

Baltimore 29, Md. — J. H. FILBERT, INC., 701 Southwestern Blvd.

Detroit 38, Mich. — SHEDD BARTUSH FOODS, INC., 14401 Dexter Blvd.

Carthage, Mo. — CARTILAGE CREAMERY CO.

Kansas City 11, Mo. — KENT PRODUCTS, INC., Wornall Rd. at 42nd Terrace, P. O. Box 5857.

St. Louis 7, Mo. — THE BLANTON CO., 3400 N. Wharf.

Omaha 2, Nebr. — C. A. SWANSON & SONS, INC., 1202 Douglas St.

New York 17, N. Y. — BEST FOODS, INC., 1 E. 43rd St.

New York 10, N. Y. — E. F. DREW & CO., INC., 15 E. 26th St.

New York 22, N. Y. — GOOD LUCK DIVISION, Lever Bros. Co., 390 Park Ave.

New York 22, N. Y. — STANDARD BRANDS, INC., 395 Madison Ave.

Cincinnati 2, Ohio — MIAMI MARGARINE CO., 107 E. Pearl St.

Cleveland 14, Ohio — DURKEE FAMOUS FOODS, 1396 Union Commerce Bldg.

Columbus 16, Ohio — CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave.

Dallas, Tex. — MRS. TUCKER'S PRODUCTS, div. Anderson, Clayton & Co., P. O. Box 35.

MEAT SUBSTITUTES

Arlington, Calif. — LOMA LINDA FOOD CO. Champaign, Ill. — DIETARY FOOD STORE, 504 N. Prairie. Handler.

Chicago 11, Ill. — WM. H. LEAHY CO., INC., 577 E. Illinois St. Wholesale dist.

Olmsted Falls, Ohio — NATURAL FOODS INC. Handler.

Birdsboro, Pa. — STERNER'S SPECIAL FOODS, R. 2. Manufacturer of meat substitutes.

PROTEINS

Galesburg, Ill. — GUNTHER PRODUCTS INC., 600 E. Main St. Vegetable proteins.

Cincinnati 32, Ohio — DRACKETT PRODUCTS CO., chemical sales div., 5020 Spring Grove Ave.

"Drackett Assay Protein C1"—a protein free of elements that limit results of diet experimentation.

PUDDING POWDERS

Brockville, Ont., Canada — MacDOWELL BROS., P. O. Box 141. Also at Ogdensburg, N. Y. Dietary foods.

SALAD AND COOKING OILS, SHORTENING

Oakland 12, Calif. — COLDSTREAM PRODUCTS CO., div. Salem Commodities, Inc., 405 14th St., Rm. 501. Plant at Denison, Tex. "Royal Satin" shortening.

Wilmington, Calif. — VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave. Shortening, salad and cooking oil, flaked oils.

Savannah, Ga. — SOUTHERN COTTON OIL CO. Shortening.

Chicago 9, Ill. — ARMOUR & CO., Union Stock Yards. Shortening and salad oils; hydrogenated fats and oils.

Chicago, Ill. — SOUTHERN COTTON OIL CO. Shortening.

Chicago 9, Ill. — WILSON & CO., INC., 41st and Ashland Ave. Shortening, cooking and salad oil.

Decatur, Ill. — A. E. STALEY MFG. CO. Salad and cooking oil. "Edsoy."

Jacksonville, Ill. — MRS. TUCKER'S PRODUCTS, div. of Anderson, Clayton & Co., P. O. Box 368, R. 6.

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SALAD AND COOKING OILS —

(Continued)

Gretna, La.—SOUTHERN COTTON OIL CO. Shortening.

Opelousas, La.—OPELOUSAS OIL REFINERY, 909 Railroad Ave. Affiliate of Cotton Products Co., Inc. Also operates Opelousas Oil Mill. Vegetable oil shortening and soybean salad oil.

Baltimore 3, Md.—WM. SCHLUDERBERG, T. J. KURDLE CO., 3800-4000 E. Baltimore St., P. O. Box 476. Shortening, cooking and salad oil.

Detroit 38, Mich.—SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Also plants at Louisville 8, Ky.; Elgin, Ill.; Dallas, Tex.; Greenville, S. C.; Cincinnati, Ohio; San Francisco, Calif. Shedd's old style dressing, Shedd's salad products.

Minneapolis 2, Minn. — ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. "Archer C & S" cooking and salad oil.

St. Louis 7, Mo.—THE BLANTON CO., 3400 N. Wharf. Shortening, salad and cooking oils. Hydrogenated fats and oils.

Bayonne, N. J.—COLONIAL PACKING CORP., 180-190 W. 5th St. Other plants Italian Cook Oil Corp. and Pem Sales Co., Inc. Mayonnaise, salad dressing and French dressing.

Bayonne, N. J.—SOUTHERN COTTON OIL CO. Shortening.

Jersey City, N. J.—ARMOUR & CO., 324 17th St. Shortening, cooking and salad oils.

Buffalo, N. Y.—SPENCER KELLOGG & SONS, INC., 98 Delaware Ave. "Spensos" salad oil; "Kellog," "Kel Blend," "Kel Exo," "Kel Fry" and "Kel Kake" shortenings.

New York 17, N. Y.—BEST FOODS, INC., 1 E. 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Tex.; and San Francisco, Calif. "VEO" shortening.

New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Shortening and salad oil. Plant at Bonton, N. J.

New York 22, N. Y.—LEVER BROS. CO., 390 Park Ave. Plants at 101 River Rd., Edgewater, N. J.; 1200 Calumet Ave., Hammond, Ind. Vegetable shortening.

Cincinnati, Ohio—PROCTER & GAMBLE DISTRIBUTING CO., Gwynne Bldg. Shortening.

Cleveland 14, Ohio—GLIDDEN CO., Durkee Famous Foods div., 1396 Union Commerce Bldg. Plants at Berkeley 10, Calif.; Chicago 47, Ill.; Louisville 1, Ky.; Elmhurst, L. I., N. Y. Standard and hydrogenated shortenings, cooking and salad oils.

Columbus 34, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave. Shortening.

Oklahoma City, Okla.—WILSON & CO., INC., P. O. Box 1905. Standard and hydrogenated shortening, cooking and salad oils.

Chattanooga, Tenn.—LOOKOUT OIL & REFINING CO., div. of Armour & Co., 4608 Kirkland Ave. Shortenings, cooking and salad oils, hydrogenated fats and oils.

Chattanooga, Tenn.—WILSON & CO., INC. Shortening, cooking and salad oils.

Memphis 8, Tenn.—CUDAHY PACKING CO., refinery, 2800 Chelsea Ave. Shortenings, salad oils, margarine.

Memphis, Tenn.—HUMKO CO., 1702 N. Thomas St. Hydrogenated vegetable shortening, salad oil.

Memphis, Tenn.—SOUTHERN COTTON OIL CO. Shortening.

Fort Worth, Tex.—ARMOUR & CO. Cooking and salad oils, shortening, hydrogenated fats and oils.

Sherman, Tex.—MRS. TUCKER'S PRODUCTS, div. of Anderson, Clayton & Co., 1201 E. Pecan.

Cudahy, Wis.—CUDAHY BROS. CO. Shortening.

Toronto, Ont., Canada—LEVER BROS. LTD., 261 Eastern Ave. Shortening.

W. Toronto 9, Ont., Canada—CANADA PACKERS LTD. Plants also located in Montreal, Winnipeg, Edmonton and Vancouver. Lard compound and salad oil.

SAUSAGE BINDERS

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701-709 N. Western Ave. Sausage and loaf binders for sausage trade, Hamburger and loaf seasonings and binders for institutional trade.

Chicago 39, Ill.—GLIDDEN CO., soy products, div., 1825 N. Laramie Ave. Meat binders.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. Binders for sausage making and for canned dog food—"Special X" low-fat soy flour, "Meatone" low-fat soy grits, "Kel Soysoy" de-fatted soy flour and grits.

Decatur, Ill.—A. E. STALEY MFG. CO. Meat packers' soy flour and coarse, medium and fine soy grits. Toasted and untoasted.

SEASONINGS

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701 N. Western Ave. Manufacturer of seasonings.

Chicago, Ill.—JOHN SEXTON & CO. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. "Magic" seasoning.

Elmhurst, L. I., N. Y.—GLIDDEN CO., Durkee Famous Foods div., Corona Ave. and 94th St. Seasonings and condiments.

Birdsboro, Pa.—STERNER'S SPECIAL FOODS, R. 2. Manufacturer of seasonings employing soybeans as an ingredient.

SOUPS

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701 N. Western Ave. Manufactures complete line of soup bases.

Birdsboro, Pa.—STERNER'S SPECIAL FOODS, R. 2. Manufacturer of soy soup.

SOYBEAN OIL

Decatur, Ill.—A. E. STALEY MFG. CO. Edible oils.

Bayonne, N. J.—COLONIAL PACKING CORP., 180-190 W. 5th St. Other plants, Italian Cook Oil Corp. and Pem Sales Co., Inc. Edible oils.

New York 17, N. Y.—BEST FOODS, INC., 1 E. 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Tex.; San Francisco, Calif.

New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plant at Bonton, N. J.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204.

Cincinnati, Ohio—PROCTER & GAMBLE DISTRIBUTING CO., Gwynne Bldg. Edible oils.

Cleveland 14, Ohio—GLIDDEN CO., Durkee Famous Foods div., 1396 Union Commerce Bldg. Edible oil refineries at Berkeley 10, Calif.; Louisville 1, Ky.; Chicago 47, Ill.; Elmhurst, L. I., N. Y.

Columbus 34, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave. Edible Oil.

SOYBEANS FOR COOKING AND SPROUTING

Los Angeles 54, Calif.—ORIENTAL FOODS, INC., P. O. Box 2121.
Hudson, Iowa—STRAYER SEED FARMS.

SOY BUTTER

Detroit 38, Mich.—SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Manufactures "Willow Run" soy spread.

SOY CHEESE

Mt. Vernon, Ohio—LOMA LINDA FOOD CO., eastern div., P. O. Box 388.
Madison College, Tenn.—MADISON FOODS, "Chez O Soy."

SOY FLOUR, FLAKES AND GRITS

Alhambra, Calif.—EL MOLINO MILLS, 3660 W. Valley Blvd. Grits, meal, flour, powder.

Arlington, Calif.—LOMA LINDA FOOD CO. Packer and distributor of soy flour.

Chicago 6, Ill.—ALFRED W. FRITZ, 549 W. Randolph St. Soybean brew flakes.

Chicago 39, Ill.—GLIDDEN CO., soy products division, 1825 N. Laramie Ave. Full-fat, low fat and defatted soy flours, flakes and grits.

Chicago, Ill.—GRIFFITH LABORATORIES, 1415 W. 37th St. Flour, Grits.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. Full-fat, low-fat and defatted flour; low-fat and defatted grits.

Decatur, Ill.—A. E. STALEY MFG. CO. Extracted hi-fat and low-fat flour. Coarse, medium, fine grits. Flakes. Toasted and untoasted.

Melrose Park, Ill.—FEARN SOYA FOODS, 1206 N. 31st Ave. "Dr. Fearn's" unbleached wheat flour and soya; also soy grits.

Des Moines 9, Iowa—SOY PRODUCTS CO., 7 7th St. Soy flour.

Battle Creek, Mich.—BATTLE CREEK FOOD CO. Soya flakes with gluten, soy flour, 2-lb. and 5-lb. bags.

Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. Soy flour, soy grits, "ADM" soybean brew flakes.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204. "Vi-Vi-Ta" soy flour, hi-fat.

Birdsboro, Pa. — STERNER'S SPECIAL FOODS, R. 2. Handler of soy flour.

Milwaukee 2, Wis.—REICHEL-KORFMANN CO., 221 E. Clybourn St. Soybean brew flakes.

Brockville, Ont., Canada — MacDOWELL BROS., P. O. Box 141. Also at Ogdensburg, N. Y. Soybean flour specially processed for diabetics.

Toronto, Ont. Canada — VICTORY SOYA MILLS LTD., 285 Fleet St. E. "Indosoy," industrial soy flour; "Soywhite," fat-free flour.

SOY FLOUR MIXES

Melrose Park, Ill.—FEARN SOYA FOODS, 1206 N. 31st Ave. "Dr. Fearn's Soy-O" wholewheat pancake flour; also unbleached white flour and soy pancake flour.

Warsaw, Ind.—GOLDEN MIX, INC. "Golden Mix" for griddle cakes, waffles, breading and frying batter.

Red Wing, Minn.—SPECIAL FOODS CO. Office, Citizens Fund Bldg. Plant, 2285 University Ave., St. Paul. V-10 protein bread mix.

SOYBEAN BLUE BOOK

SOY MILK

Champaign, Ill.—DIETARY FOOD STORE, 504 N. Prairie. Handler.

Chicago, Ill.—CHICAGO DIETETIC SUPPLY HOUSE, 1750 W. Van Buren St. Canned soy milk.

Melrose Park, Ill.—FEARN SOYA FOODS, 1206 N. 31st Ave. "Dr. Fearn's" pure soy powder for making soy milk.

Battle Creek, Mich.—BATTLE CREEK FOOD CO. "Soy Acidophilus."

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204.

Mt. Vernon, Ohio—LOMA LINDA FOOD CO., eastern div., P. O. Box 388. Powdered and liquid soy milk.

Olmsted Falls, Ohio — NATURAL FOODS INC. Dried and liquid.

SOY SAUCE

Arlington, Calif.—LOMA LINDA FOOD CO. Los Angeles 54, Calif.—ORIENTAL FOODS, INC., P. O. Box 2121.

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701 N. Western Ave. Manufacturer.

Chicago, Ill.—GREAT CHINA FOOD PRODUCTS CO., 2530-58 S. State St.

Chicago, Ill.—JOHN SEXTON & CO. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. Chop suey, sirloin club, mushroom and smoke house sauces.

Decatur, Ill.—A. E. STALEY MFG. CO. Soybean hydrolyzate for flavoring.

Columbia City, Ind.—ORIENTAL SHOWYOU CO., INC.

Rockland, Mass.—SOM TOY CHINESE FOOD PRODUCTS, INC., 65 Grove St. Bottler of soy sauce.

Archbold, Ohio—LACHOY FOOD PRODUCTS, div. Beatrice Foods Co.

Birdsboro, Pa. — STERNER'S SPECIAL FOODS, R. 2. Handler of soy sauce.

SPROUTS

Columbia City, Ind.—ORIENTAL SHOWYOU CO., INC. Mung bean sprouts.

TOPPINGS

Buffalo, N. Y.—RICH PRODUCTS CORP. "Whip Topping."

VITAMINS

New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plant at Boonton, N. J.

WHIPPING AGENTS

Chicago 39, Ill.—GLIDDEN CO., soy products div., 1825 N. Laramie Ave.

Chicago, Ill. — JOHN SEXTON & CO. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. "Whip" powder.

Galesburg, Ill.—GUNTHER PRODUCTS INC., 600 E. Main St. Manufactures vegetable proteins and derivatives.

Minneapolis 2, Minn. — ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg.

New Brunswick, N. J.—W. A. CLEARY CORP. Also Chicago, Ill.; Belleville, Ont.

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- Archer 50% Low Fibre Soybean Oil Meal
- Archer Booster Feeds
- R-Lecin (Soybean Lecithin)
- Bakers Nutrisoy
- Daniels' Supreme
- Kaysoy
- Nutriwhip
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- Paint Vehicles
- Soya Fatty Acids
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Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein for paper coating, regular and high solids, used both off and on the paper machine; size press and calendar sizing; floor covering backing paints; leather finishes; latex dispersions; printing inks; textile sizing.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein for protective coatings, linoleum, water emulsion paint finishes. Leather dressing.

Louisville, Ky.—BUCKEYE CELLULOSE CORP. Isolated protein for use in heater sizing, leather dressing.

Cincinnati, Ohio—DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in heater sizing, leather dressing.

FIRE-FIGHTING FOAM

Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. Soybean proteins for use in the manufacture of fire-fighting liquids.

West Chester, Pa.—NATIONAL FOAM SYSTEM, INC. "Aer-O-Foam."

GLUES, PLYWOOD ADHESIVES

Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. Soybean flour used in the manufacture of plywood adhesives.

Chicago 16, Ill.—PAISLEY PRODUCTS, INC., 1770 Canalport Ave. Glues, adhesives.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein and "Soytex" adhesive soy flour. Defatted soy flakes.

Decatur, Ill.—A. E. STALEY MFG. CO. Soya products for use in manufacture of plywood adhesives.

Springfield, Mass.—MONSANTO CHEMICAL CO., plastics div. "Lauzein" soybean glue "Lauzein," a pulverized soy protein.

Seattle 4, Wash.—AMERICAN MARIETTA CO., 3400 13th Ave. S.W. Adhesive for plywood, woodworking and allied industries.

INSECTICIDES

Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. "Spraysoy" spreader and sticker for various sprays, and emulsifier for oil emulsion sprays.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Special X" low-fat soy flour, defatted soy flour.

LAMINATING

Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. Soybean proteins for paper and paper-board laminating.

SOYBEAN BLUE BOOK

LECITHIN

Decatur, Ill.—A. E. STALEY MFG. CO. Soya lecithin, bleached and unbleached. Fluid and regular grades. Water dispersible grade available. Also granular—oil free.

New York 6, N. Y.—SUPERIOR MATERIALS, INC., 120 Liberty St. Soya lecithin for paints and inks.

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Columbus 16, Ohio — COLUMBUS COATED FABRICS CORP., 7th and Grant Aves. Oilcloth, plastic sheeting, wall coverings, upholstery materials and shade cloth.

PAINTS AND VARNISHES

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Chicago 39, Ill.—GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein as an emulsifying and stabilizing agent for latex, resin and oil-in-water emulsion paints.

Chicago 11, Ill.—ILLINOIS FARM SUPPLY CO., 100 E. Ohio St. "Soyoil" paints and varnishes.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein. "Drisoy" drying soybean oil. Complete line of refined industrial soybean oils.

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PAINTS AND VARNISHES—

(Continued)

Pekin, Ill. — MONARCH PAINT CO., 150 N. 3rd St. "Dura-Cote" and "Plastic Plaster" soy oil paints.

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New York 6, N. Y. — SUPERIOR MATERIALS, INC., 120 Liberty St. Soyates used as driers in paints and inks.

Cincinnati, Ohio — DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in water paints including latex and resin emulsion types.

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Garland, Tex. — DESOTO PAINT & VARNISH CO., Forest Lane and Shiloh Rd., P. O. Box 186. Enamels and industrial finishes.

PAPER SIZINGS, WALL PAPER AND WALLBOARD COATINGS

Aurora, Ill. — GLENN DAVIDSON, P. O. Box 519. "Soyize" (technical soy flour) and "Soyein" (isolated soy protein) for use as industrial adhesives.

Chicago 39, Ill. — GLIDDEN CO., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein for "Prosize" sizing of paper; ground and top coats for wallpaper; insulation board coatings.

Decatur, Ill. — SPENCER KELLOGG & SONS, INC. Paper sizings, wall paper and wallboard coatings.

Kankakee, Ill. — GENERAL MILLS, INC., chemical div., S. Kensington Rd. Versamid resin for coating paper in manufacture of containers.

Louisville, Ky. — BUCKEYE CELLULOSE CORP. Isolated protein for use in paper coatings.

Cincinnati, Ohio — DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in paper coatings.

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Newark 5, N. J. — REILLY TAR & CHEMICAL CORP., 191 Doremus Ave. Phenolic plastics extended with soybean oil.

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Chicago 16, Ill. — PAISLEY PRODUCTS, INC., 1770 Canalport Ave.

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SOAPS

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New York 10, N. Y. — E. F. DREW & CO., INC., 15 E. 26th St. Plant at Boonton, N. J.

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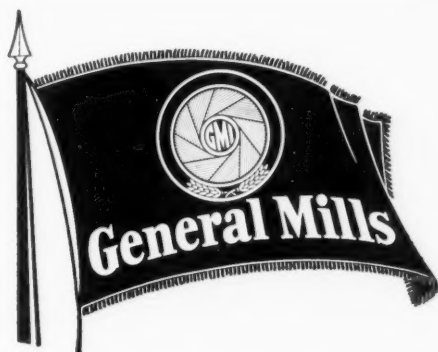
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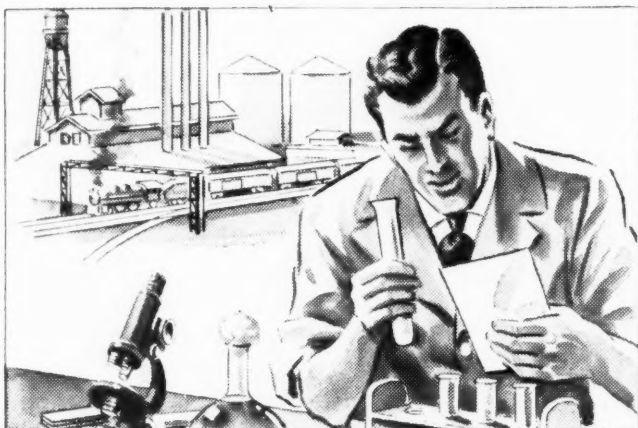
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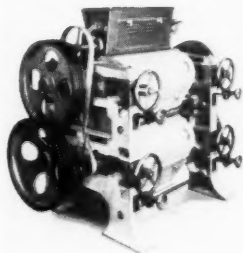
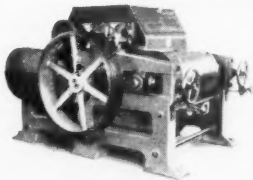
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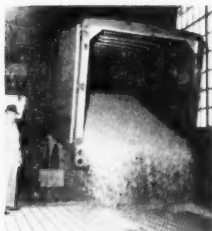
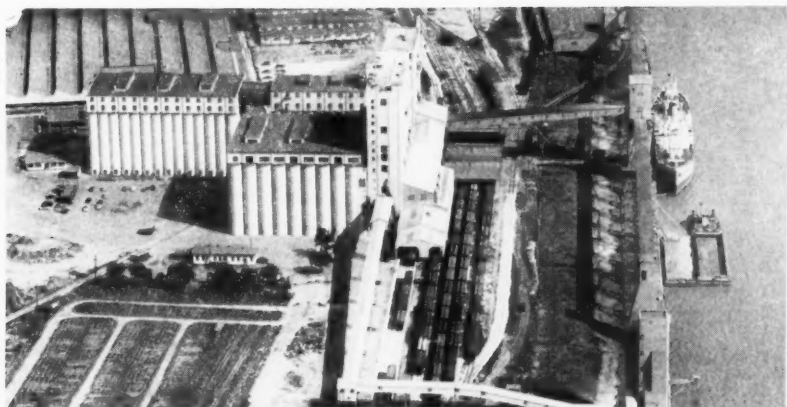
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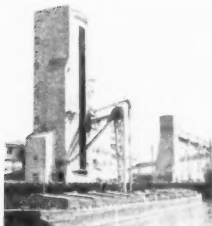




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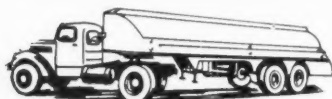
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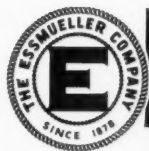
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Soybean... "The Miracle Crop"



Bigger Business Than Ever for the Midwest and the Minneapolis & St. Louis Railway

That's because the U. S. in 1955 harvested the greatest crop of Soybeans in history, 371,276,000 bushels, and 51 per cent or 189,207,000 bushels were grown in the four Midwest States served by the M. & St. L.; 100,510,000 in Illinois; 40,774,000 in Iowa; 45,162,000 in Minnesota; and 2,761,000 in South Dakota.

Another huge harvest is predicted for 1956.

From record acreages, all-time record crops were produced in Illinois and Minnesota and near-record harvests in Iowa and South Dakota. The four M. & St. L. States planted 9,083,000 acres in 1955 and also harvested 73,000 tons of Soybean hay and grazed or plowed under 71,000 acres of Soybeans.

BIG BUSINESS — GROWING BIGGER

Hauling Soybeans and all the things made from them is Big Business every year on the M. & St. L., specialist since 1871 in transportation of products of Midwest farms and factories. The M. & St. L. helped promote Soybean growing when the Miracle Crop was new in the U. S. In 1924, the whole country grew only 5,000,000 bushels.

Today, the M. & St. L. networks rich Soybean areas and directly serves several big Soybean plants.

The MINNEAPOLIS & ST. LOUIS Railway
FAST FREIGHT SERVICE FOR THE MIDWEST AND ITS GREAT SOYBEAN INDUSTRY



EQUIPMENT AND SUPPLIES FOR THE SOYBEAN INDUSTRY

BAGGING EQUIPMENT

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave. Bag packers.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Bag cleaners, closers, stackers, trucks, wheels, casters.

Chicago 10, Ill.—UNION SPECIAL MACHINE CO., 400 N. Franklin St. Bag Closers.

Downers Grove, Ill.—WESTERVELT CO., P. O. Box 251. Bag holders.

Evanston, Ill.—BURROWS EQUIPMENT CO., 11067 Sherman Ave. Bag tags, cleaners, closers, trucks.

Huntington, Ind.—HUNTINGTON LABORATORIES, INC. Bag cleaners.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Keokuk, Iowa—THOMAS TRUCK & CASTER CO., bag, barrel and 4-wheel platform trucks; wheels and casters.

Grand Rapids 2, Mich.—RAPIDS-STANDARD CO., INC., Rapistan Bldg. Plants at 144 Trowbridge N.W.; and Plymouth Rd. N.E. "Wheel-Ezy" hand trucks; steel-forged and cold-forged casters.

Faribault, Minn.—NUTTING TRUCK & CASTER CO., 1201 W. Division St. Platform, bag, box, hopper and dolly trucks; jack and skid systems; wheels; casters.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N.E. Pneumatic bag cleaners.

Minneapolis 3, Minn.—DAVE FISCHBEIN CO., 38 Glenwood Ave. Bag closers.

Minneapolis, Minn.—MINNEAPOLIS SEWING MACHINE CO.

Clifton, N. J.—RICHARDSON SCALE CO., 608 Van Houten Ave. Bag packers.

New York, N. Y.—WILLCOX & GIBBS SEWING MACHINE CO., 214 W. 39th St. Plant at Nyack, N. Y. Filled bag closing machines.

Silver Creek, N. Y.—S. HOWES CO., INC. Bag packers.

Tuckahoe, N. Y.—STOFFEL SEALS CORP., 145 Main St. Manufacturer of metal seals and seal tags.

Springfield, Ohio—DUPLEX MILL & MFG. CO. Bag cleaners.

Westerville, Ohio—J. W. HANCE MFG. CO. "Grip-Master" bag holders.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Sack cleaners.

Philadelphia 29, Pa.—AMERICAN PULLEY CO., 4200 Wissahickon Ave. Hand trucks, industrial wheels and barrel cradles.

Rutland, Vt.—HOWE SCALE CO., INC. Hand trucks.

BAG MANUFACTURERS

Atlanta, Ga.—FULTON BAG & COTTON MILLS. Offices in St. Louis, Dallas, Minneapolis, Denver, New Orleans, Kansas City, Kans., New York, Los Angeles, Savannah. Cotton bags, burlap bags, paper bags, water-proof paper-lined textile bags, used bags, polyethylene bags; "Eagle Sail" cotton twine, "Eagle" machine thread.

Savannah, Ga.—CHEMICAL PACKAGING CORP., P. O. Box 178. Manufactures multiwall paper bags.

Chicago 9, Ill.—CENTRAL BAG & BURLAP CO., 4515 S. Western Blvd. Manufacturer of new and "NuSeme" cotton and burlap bags. Specialists in serving the soybean industry.

Chicago 6, Ill.—CHASE BAG CO., 306 W. Jackson Blvd. Multiwall paper, burlap and cotton bags.

Indianapolis, Ind.—MAN KATZ BAG CO., 316 S. New Jersey St. Burlap, cotton, paper bags, new, plain, or printed for soybeans and soybean oil meal. Used burlap or cotton bags.

Des Moines, Iowa—MIDWEST BURLAP & BAG CO., 213 3rd St. Also offices in Westville, Ill.; Minneapolis, Minn.; Kansas City, Mo. Manufacturer of new burlap and cotton bags; processor and converter of used burlap and cotton bags.

Baltimore 24, Md.—PREMIUM BAG CO., 2351 Boston St. Burlap and cotton bags.

Minneapolis, Minn.—AMERICAN BAG CO., 112 3rd Ave. N. Also operates Nebraska Bag Co., Omaha. Cotton and burlap bags; bag printing.

Minneapolis 14, Minn.—SAM MILLER BAG CO., 861-871 E. Hennepin. Manufactures new burlap and cotton bags; reconitions used burlap and cotton bags for soybean oil meal.

Kansas City 1, Mo.—CENTRAL BAG CO., 1323-31 W. 14th St. New and secondhand bags.

Kansas City, Mo.—PERCY KENT BAG CO. Offices in Buffalo, New York, Minneapolis, Oklahoma City and Chicago. Cotton, burlap and multiwall paper bags.

St. Louis 2, Mo.—BEMIS BRO. BAG CO., 408 Pine St., Box 68. Offices in principal cities. Cotton, burlap, waterproof paper lined textile and multiwall paper shipping sacks; polyethylene bags.

St. Louis 6, Mo.—ST. LOUIS BAG CO., 1216-1214 N. 1st St. New burlap and cotton bags. Processor and handler of used bags.

**Additional copies of the Soybean Blue Book may be purchased from the
American Soybean Association, Hudson, Iowa, by members for \$1.**

Langston's Bags Are Outstanding

Buy your NEW and PROCESS-
ED burlap and cotton bags from
Langston, who will give you
top quality in both printing
and material. LANGSTON'S
BAGS ARE OUTSTANDING.



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SPOT QUOTATIONS AT
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Bag Printing in Colors
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2-8355

MIDWEST BURLAP & BAG CO.

Des Moines, Ia.
Westville, Ill.

Minneapolis, Minn.
Kansas City, Mo.

BAG MANUFACTURERS—

(Continued)

St. Louis 6, Mo.—REPUBLIC BAG CO., 1340
Blair Ave. Burlap and cotton bag processor.

St. Louis 3, Mo.—UNITED BAGS, INC., 1510
Clark Ave., P. O. Box 297. New and used cotton,
burlap and paper bags for soybeans, soybean oil
meal and other products.

Omaha 8, Nebr.—NEBRASKA BAG CO., 715-17
S. 9th St. New and used burlap, cotton and
paper bags. All types of bag supplies.

Brooklyn, N. Y.—BURROS BAG CO., INC.,
135 Plymouth St. Burlap and cotton bags, bag-
ging and burlap.

Canajoharie, N. Y.—ARKELL & SMITHS.
Other plants at Mobile, Ala.; Wellsburg, W. Va.;
Hudson Falls, N. Y. Offices in New York, Kansas
City, Columbus, Mobile and Chicago. Supplier of
multiwall paper shipping sacks for soybeans
and soybean oil meal.

New York 22, N. Y.—HUDSON PULP &
PAPER CORP., 477 Madison Ave. Also plants at
Palatka, Fla.; Bellows Falls, Vt.; Augusta,
Maine; converting mills at Wellsburg, W. Va.,
Pine Bluff, Ark., Charlotte, N. C. Manufacturer
of multiwall shipping sacks and Kraft paper,
"Orange Core" standard and "Blue Ribbon" super
standard gummed sealing tape, "Fastweld" re-
inforced tape.

New York 17, N. Y.—INTERNATIONAL
PAPER CO., bagpak div., 220 E. 42nd St. Plants
at Camden, Ark., Mobile, Ala., and Bastrop, La.
Multiwall paper bags.

New York 20, N. Y.—KRAFT BAG CORP., 630
5th Ave. Also at Daily News Bldg., Chicago 6;
St. Marys, Ga.; Gilman, Vt. Subsidiary of
Gilman Paper Co. Heavy-duty multiwall ship-
ping sacks of various types and sizes.

New York 17, N. Y.—ST. REGIS PAPER CO.,
230 Park Ave. Offices in principal cities.

New York 7, N. Y.—UNION BAG & PAPER
CORP., 233 Broadway. Manufactures multiwall
paper bags for packaging soybean oil meal and
other feeds.

Jaite, Ohio—NATIONAL CONTAINER CORP.
OF OHIO. Multiwall bags.

Philadelphia, Pa.—BELMONT BURLAP BAG
CO., 2719 N. Edgemont St. Also at 9214 Otsego
Ave., Detroit, Mich. Burlap and cotton bags for
packing soybeans.

Memphis 12, Tenn.—CROWN BAG CO., 2680
Harvard St. Cotton and burlap bags.

Memphis 2, Tenn.—LANGSTON BAG CO., 134
E. Webster St. Manufacturer of new and used
cotton and burlap bags.

Nashville 1, Tenn.—WERTHAN BAG CORP.,
1400 8th Ave. N. Also plant at 305 Thalia St.,
New Orleans, La. New and used burlap and
cotton textile bags and multiwall paper bags
for sacking soybeans and soybean oil meal.

Houston 1, Tex.—LONE STAR BAG & BAG-
GING CO., P. O. Box 276. New and secondhand
burlap and cotton bags. Multiwall paper and
mesh bags.

Richmond, Va.—VIRGINIA-CAROLINA
CHEMICAL CORP., 401 E. Main St. "V.C."
burlap, cotton and paper bags.

Wellsburg, W. Va.—HAMMOND BAG & PA-
PER CO. Also plant at Pine Bluff, Ark. All
types multiwall paper bags for soybean oil
meal and dry derivatives.

Milwaukee 2, Wis.—FREDMAN BAG CO., 330
E. Clybourn St. Cotton and burlap bags.

SOYBEAN BLUE BOOK

BELTING

Denver 17, Colo.—GATES RUBBER CO., 999 S. Broadway. V-belts.

Chicago 44, Ill.—FLEXIBLE STEEL LACING CO., 4607 Lexington St. Belt fasteners and lacings for belting.

Chicago 23, Ill.—IMPERIAL BELTING CO., 1750 S. Kilbourn Ave. Manufacturer of stitched impregnated canvas conveyor, elevator and transmission belting. Impregnated with highly specialized compounds and job-designed to meet specific operating conditions.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Conveyor belting.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1306 7 Sherman Ave.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Transmission, elevating and conveyor belting, V-belts and sheaves.

Mishawaka, Ind.—DODGE MFG. CORP. V-belts, drives and sheaves.

Cedar Rapids, Iowa—DIVINE ENGINEERING INC., 315 7th Ave. S.E.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Worcester, Mass.—GRATON & KNIGHT CO., 148 Franklin St. Also Chicago, Dallas, Detroit, Kansas City, St. Louis, New York, Philadelphia, San Francisco. Transmission leather belting, belting cements, belt dressings, belt lacing.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Bucket belts.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N. E. Belting. Speed reducers.

Kansas City, Mo.—GENERAL MILL EQUIPMENT CO., 2021 Pennsylvania Ave. Belting, V-belt and chain-belt drives.

St. Louis, Mo.—DESIGN MFG. & EQUIPMENT CO., 1025 N. 6th St.

Omaha, Nebr.—PURITAN MFG CO., 1931 N. 11th St. Leather, rubber and cotton belting.

Trenton, N. J.—HAMILTON RUBBER MFG. CORP., P. O. Box 361. Rubber conveyor and transmission belting.

Buffalo 7, N. Y.—BUFFALO WEAVING & BELTING CO., 260 Chandler St. Conveyor belting.

Buffalo 6, N. Y.—GLOBE WOVEN BELTING CO., INC., 1400 Clinton St. Conveyor, elevator and power transmission belting; solid woven white cotton and stitched canvas treated for special use in the soybean industry. Also white and black neoprene rubber-covered and brown neoprene friction surface belting.

New York 7, N. Y.—CARLYLE RUBBER CO., INC., 107 Warren St. Conveyor, elevator and power transmission belting.

New York 7, N. Y.—VICTOR BALATA & TEXTILE BELTING CO., 53 Park Place. Also 60 W. Hubbard St., Chicago 10. Plant at Easton, Pa. Solid-woven, canvas-stitched, neoprene-treated and balata types of conveyor, elevator and transmission belting.

Youngstown 1, Ohio—REPUBLIC RUBBER DIV., Lee Tire & Rubber Co., Albert St. "Reprene" transmission, conveyor and elevator belting.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Elevator, conveyor and power transmission belting.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

CHAINS

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 2718 East Ave.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Chains of all types for conveyors, elevators and drives.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Roller chain and sprockets.

Cedar Rapids, Iowa—DIVINE ENGINEERING INC., 315 7th Ave. S.E.

Omaha 2, Nebr.—PURITAN MFG CO., 1931 N. 11th St. Roller chain with sprockets.

Columbus 16, Ohio—JEFFREY MFG CO., 799 N. 4th St. All types and sizes of chains.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

CONVEYORS, ELEVATORS

Birmingham, Ala.—CONTINENTAL GIN CO., industrial div. Offices at Atlanta, Dallas, Memphis, Knoxville and New York City. Belt, screw, chain-flight conveyors; bucket screw elevators.

Birmingham, Ala.—SOUTHEASTERN PRODUCTS CORP., 1401 03 Lomb Ave., P. O. Box 2310. Portable seed conveyors. "Sepco" seed loader. "Sepco" mechanical packings. Cut gaskets of all types.

Paragould, Ark.—WONDER STATE MFG CO. Subsidiary of Bertig Co. Supplier of elevating and conveying equipment.

Belmont, Calif.—VACU-BLAST CO., INC., P. O. Box 885-SB. Pneumatic conveying equipment.

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 2718 East Ave.

Marysville, Calif.—GORDON MACHINERY CORP. Manufacturer of "Gordon Airlift" low pressure-high capacity pneumatic conveyor-elevator.

San Francisco 7, Calif.—SHANZER MFG. CO., 85 Bluxome St. Screw conveyors. "Max-I-Pacity" hi-speed bucket elevators.

Denver 16, Colo.—WAGNER MACHINE & MILL SUPPLY CO., 444 York St. Manufacturer.

Macon, Ga.—EDWARDS PRODUCTS CO., Cochran Short Route. Portable conveying equipment for handling soybeans.

Aurora, Ill.—STEPHENS-ADAMSON MFG. CO. Also offices in Los Angeles, St. Louis, New York and Chicago. Plants at Aurora, Los Angeles and Belleville, Ont. Conveyors and elevators.

Chicago 4, Ill.—BRADY CONVEYORS CORP., 20 W. Jackson Blvd. Pneumatic car unloaders; pneumatic bulk conveyors—bucket, belt, screw.

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Conveyors and elevators of all types.

Chicago 35, Ill.—MATERIALS HANDLING EQUIPMENT CO., 2619 N. Normandy Ave. Marine elevator legs, screw conveyors, bucket elevators, en masse type "Uni-Flo" elevator conveyors, special feeders and special processing machinery.

CONVEYORS, ELEVATORS—

(Continued)

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. Court. Conveyors and elevators.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Chicago 4, Ill.—B. I. WELLER CO., 327 S. La Salle. Screw conveyor and trough.

Decatur, Ill.—HUSS & SCHLIEPER, 714 N. Church St., P. O. Box 862. Chain and belt bucket elevators—vertical-type; belt and screw conveyors.

Evanston, Ill.—BURROWS EQUIPMENT CO., 13167 Sherman Ave.

Jerseyville, Ill.—BAUGHMAN MFG. CO., INC., 1 Shipman Rd. Portable and stationary belt and screw conveyors. Belt and bucket elevators. Self-unloading and elevating material bodies.

Monmouth, Ill.—MAYRATH CO., N. Main St. Grain augers, junior hand augers, elevators.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Screw conveyor and accessories.

Streator, Ill.—MYERS-SHERMAN CO., 1643 S. Illinois St. Pneumatic portable and stationary conveying equipment, pneumatic elevators.

Columbia City, Ind.—LML ENGINEERING & MFG. CORP., 607-617 S. Chauncey St.

Connersville, Ind.—ROOTS-CONNERSVILLE BLOWER, div. of Dresser Industries, Inc., 900 W. Mount St. Rotary positive blowers for pneumatic conveying of soybeans.

Hammond, Ind.—SCREW CONVEYOR CORP., 757 Hoffman St. Hammond "Screw-Lifts" (vertical screw elevator); Hammond "Screw-Veyor" (horizontal or inclined screw conveyor); helicoid and sectional flight conveyor screws; screw-conveyor troughing and accessories; "Tite-Seal" screw conveyor box "U" edging and cover clamps; a complete line of standardized units including proper buckets.

Badger, Iowa—CHANTLAND MFG. CO., Box 79. Belt conveyors for bagged products. Bulk conveyors for mash products.

Cedar Rapids, Iowa—DIVINE ENGINEERING, INC., 315 7th Ave. S.E. Conveying and elevating equipment and supplies; "Divinalators" — en masse type of unit widely used in the soybean industry.

Cedar Rapids, Iowa—HAMMERMILLS, INC., 625 C Ave. N.W. Subsidiary of Pettibone Mulliken Corp. Conveyors, feeders.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Des Moines 9, Iowa—CORN STATES HYBRID SERVICE, 1101 Walnut St.

Marion, Iowa—RAPIDS MACHINERY CO., 889 11th St. "Marion" all-steel elevators.

Dodge City, Kans.—MAYRATH, INC., E. Trail St. Grain augers, junior hand augers, elevators.

Enterprise, Kans.—J. B. EHRSAM & SONS MFG. CO. Elevator boots, head drives, pulleys, buckets, spouting, bins, gates, hoppers and valves, conveyor idlers, trippers, rail car pullers and power shovels.

Leavenworth, Kans.—GREAT WESTERN MFG. CO. Elevators—sheet steel. Conveyors—steel spiral.

Wichita 4, Kans.—ARK VALLEY MILL & ELEVATOR SERVICE, INC., 1927 N. Mosley. "Vickers Telescopic" car-truck loading portable conveyor; elevator legs; conveying equipment.

New Orleans, La.—NATIONAL BLOW PIPE & MFG. CO. LTD., Claiborne, Poland, Derbigny and Kentucky Sts. Pneumatic conveying equipment.

Boston 22, Mass.—J. C. CORRIGAN CO., INC., 4147 Norwood St. Bucket elevators; conveyors in regular or stainless steel; systems for mechanical handling and storage of dry bulk materials; portable conveyors; stackers; glazed tile silos.

Detroit 15, Mich.—BIN-DICATOR CO., 13946 Kercheval Ave. "Bin-Flo"—aerator unit for inducing gravity flow of fine dry materials.

Grand Rapids 2, Mich.—RAPIDS-STANDARD CO., INC., Rapistan Bldg. Plants at 144 Trowbridge N.W.; and Plymouth Road N.E. "Rapistan" power and gravity conveyors, boxcar loaders.

Saginaw, Mich.—A. T. FERRELL & CO. Heavy-duty, all-steel bucket-type elevating legs.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N. E. Pneumatic conveying and cooling systems.

Minneapolis, Minn.—GERBER SHEET METAL, INC., 518 S. 3rd St. Soybean distributors; steel elevator legs.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Screw and belt conveyors.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls and Fargo. Wholesale distributor. Augers, elevators, blowers.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N. E. Elevators, conveyors, power shovels.

North St. Paul 9, Minn.—STANDARD CONVEYOR CO., 315 N.W. 2nd St. Also plant at 840 Harrison St., San Francisco. Portable belt conveyors—"Handibelt" and "Handipiler" machines.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC.

Kansas City, Mo.—GENERAL MILL EQUIPMENT CO., 2021 Pennsylvania Ave. Conveyors.

Kansas City, Mo.—MIDWEST STEEL PRODUCTS CO., Railway Exch. Bldg. Elevating equipment.

Kansas City, Mo.—HARRY E. SURFACE CO., 427 Board of Trade. Complete equipment, engineers and machinery erectors.

St. Louis, Mo.—DESIGN MFG. & EQUIPMENT CO., 1925 N. 6th St. Screw conveyors, belt conveyors, bucket elevators and fittings.

St. Louis 4, Mo.—ESSMUELLER CO.

St. Louis 3, Mo.—WESTERN RUBBER PRODUCTS CO., 320 S. Grand Ave. Chutes, hoppers, elbows, troughs, screw conveyors and tanks fabricated from rubber faced steel plate.

Omaha 2, Nebr.—PURITAN MFG. CO., 1931 N. 11th St. Spiral steel conveyors complete with boxes, and steel elevator legs complete with belting and cups.

Fort Lee, N. J.—BUHLER BROS., INC., State Highway No. 4. Complete conveying systems.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used bucket elevators, screw conveyors, belt and troughing conveyors.

Summit, N. J.—PULVERIZING MACHINERY DIV., Metals Disintegrating Co., Inc., River and Chatham Roads. Manufactures "Mikro-Airacron" for pneumatic handling of products.

New York 51, N. Y.—HOLLY PNEUMATIC SYSTEMS, INC., 215 E. 149th St. Manufactures pneumatic conveyors for handling bulk materials.

Utica 1, N. Y.—MUNSON MILL MACHINERY CO., INC., 210 Seward Ave. Subsidiary of Divine Bros. Co. Elevators.

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**The Only Complete Control for Handling Grains,
Ear Corn and Roughage by the Push of a Button!**

Exclusive with FORDS Industrial Hammermills, this electrically operated, push button unit regulates the rate of flow of grain and ear corn, as well as hay and other roughages, into the mill. Operates your mill from any place—inside or outside the building, or even another building. Sizing of material against the “control plate” assures uniform, “suspension” grind—without strings, slivers and variation in particle size common to average grinding. You can grind at a uniform, constant rate, with exactly the horsepower available. By virtually eliminating surges in power demand, this new FORDS Control reduces over-all power costs. It also eliminates the need for a crusher feeder with motor and drive, and a drag conveyor and drive on many installations. Find out how you can improve quality and capacity of grind, while reducing operating costs, with this new FORDS Remote Control Hammermill.

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Manufacturers of FORD Portable Mills, Molasses Blenders,
Vertical Mixers, Corn Shellers, Pneumatic Grain Vayors

1627 S. ILLINOIS STREET, STREATOR, ILLINOIS

CONVEYORS, ELEVATORS—

(Continued)

Raleigh, N. C.—**AEROGLIDE CORP.**, 510 Glenwood Ave., P. O. Box 1839. Bucket elevators, belt and screw conveyors.

Archbold, Ohio—**KING-WYSE, INC.** Manufacturer of farm elevators, rubber belt conveyors.

Avon, Ohio—**BOSWORTH MFG CO.**, Mills Rd. Belt-type portable and stationary loading and conveying equipment.

Cleveland 5, Ohio—**DRACCO CORP.**, 4063 East 116th St. Pneumatic handling equipment.

Columbus 7, Ohio—**BONDED SCALE & MACHINE CO.**, 95 Kingston Ave. Portable and stationary conveyors for bulk moving of all materials. Troughing and flat belt types; bucket elevators, scraper conveyors, flight conveyors, floor-to-floor conveyors; portable power stackers and pilers; conveyor parts and parts to build conveyors; troughing idlers and conveyor belting.

Columbus 16, Ohio—**JEFFREY MFG. CO.**, 799 N. 4th St. Conveyors and bucket elevators.

Orient, Ohio—**BELT CORP.**, 5314 Mill St. "Harvest-Handler" lightweight elevators, Models 50C, 60C, 60R, 65C, 65R. "Versaveyor," bag and box conveyors, Models "R" and "TL".

Sidney, Ohio—**SHELBY MFG. CO.**, P. O. Box 298. Adjustable and vertical screw lifts; chain drags, horizontal screws.

Sidney, Ohio—**SIDNEY GRAIN MACHINERY CO.**, 424 N. Main St. Conveying equipment and elevators.

Springfield, Ohio—**DUPLEX MILL & MFG. CO.**

Tiffin, Ohio—**WEBSTER MFG., INC.** Designer and manufacturer of stationary elevating and conveying equipment.

Westerville, Ohio—**J. W. HANCE MFG. CO.** Elevating and conveying equipment.

Yellow Springs, Ohio—**DRAKE MILL MACHINERY, INC.**, P. O. Box 27. Elevators, conveyors, loaders.

Youngstown 1, Ohio—**REPUBLIC RUBBER DIV.**, Lee Tire & Rubber Co., Albert St. Car-unloading and soybean oil meal-conducting hose.

Oklahoma City, Okla.—**BOARDMAN CO.**, 1401 S.W. 11th St.

Oklahoma City, Okla.—**ROSS MACHINE & MILL SUPPLY, INC.**, 12 N. E. 28th St. Elevators.

Oklahoma City, Okla. — **SOUTHWESTERN SUPPLY & MACHINE WORKS**, 6 S.E. 4th St. "Rotor Lift" designed to elevate free flowing bulk material; bucket elevators; screw conveyors and accessories.

Bangor, Pa.—**GODSHALK SHEET METAL FABRICATORS**, N. Main St. Belt and bucket elevators, screw and drag belt conveyors, hoppers.

Muncy, Pa.—**SPROUT, WALDRON & CO., INC.** Screw conveyors; bucket elevators; "Pneu-Vac" bulk materials handling system.

York, Pa.—**OLIVER CORP.**, A. B. Farquhar div., 142 N. Duke St. All types of conveyors for handling bulk or packaged materials.

Memphis, Tenn.—**DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia. Screw conveyors, belt conveyors, bucket elevators, vertical screw lift, portable conveyors.

Memphis, Tenn.—**J. E. DILWORTH CO.**, 730 S. 3rd, P. O. Box 2834. Also in Jackson, Miss., and Tuscaloosa, Ala. Industrial supply distributor of conveying equipment.

Memphis 2, Tenn.—**HAYS SUPPLY CO.**, 269-287 S. Front St. Conveying and elevating equipment.

Memphis 2, Tenn.—**LEWIS DIESEL ENGINE CO.**, P. O. Box 2828, DeSoto Sta., 92 W. Carolina Ave. Designs, fabricates and sells conveying and elevating systems.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St.

Memphis 3, Tenn.—**W. C. PITTS & SON, INC.**, 154 N. Front St. Conveying and elevating equipment.

Memphis, Tenn.—**RIECHMAN-CROSBY CO.**, 223-229 S. Front St. Elevating and conveying equipment.

Burleson, Tex.—**THOMAS CONVEYOR CO. INC.**, P. O. Box 6. Screw conveyors and elevators, bucket elevators, belt and drag conveyors.

Fort Worth, Tex.—**FORT WORTH STEEL & MACHINERY CO.**, 3600 McCart St. Offices in Chicago, St. Louis, Kansas City, Memphis. Screw conveyor.

Fort Worth, Tex.—**INDUSTRIAL MACHINERY CO., INC.**, 2400 S. Main. Screw conveyors, elevators, belt conveyors.

Fort Worth, Tex.—**WICHITA INDUSTRIAL MFG. CO.**, P. O. Box 307, 3463 W. Vickery Blvd.

Houston, Tex.—**HOUSTON BELTING & SUPPLY CO.**, 1717 Walker St.

Milwaukee 16, Wis.—**BLOWER APPLICATION CO.**, 3165 N. 30th St. Pneumatic conveying systems; rotary feeder valves.

DEFOLIANTS

St. Louis, Mo.—**CYPRESS SUPPLY CO.**, 219 Chouteau. Also at Portageville. Distributor.

Middleport, N. Y.—**NIAGARA CHEMICAL DIV.**, Food Machinery & Chemical Corp. Also plants in Harlingen, Tex.; Wyoming, Ill.; Richmond, Calif.; Jacksonville, Fla.

New York 20, N. Y.—**AMERICAN CYANAMID CO.**, agricultural chemicals div., 30 Rockefeller Plaza.

DRYING EQUIPMENT

FARM DRIERS

San Francisco 7, Calif.—**SHANZER MFG. CO.**, 85 Blumrose St. Shanzer "Thrifty" all-purpose portable farm driers.

Crystal Lake, Ill.—**AMERICAN CROP DRYING EQUIPMENT CO.** Crop driers—heated and natural air—drying bins, aeration systems, moisture testers.

Des Moines, Iowa—**LENNON FURNACE CO.**, 1701 E. Euclid Ave. Also plants at Columbus, Marshalltown, Iowa, Syracuse, Decatur, Ga., Fort Worth, Salt Lake City, Pasadena, Toronto and Calgary. Heated air crop drying equipment—oil fired. Crop drying fans for unheated air. Batch bins for drying.

Lexington, Ky.—**PEARSON-MOORE CO., INC.**, N. Beltline at L&N RR. All-purpose farm driers.

Minneapolis 26, Minn.—**LAKE SHORE MFG. CO.**, division of Arid-Aire Mfg. Co., 3305 Republic Ave. "Cropgard" driers.

Columbus, Nebr.—**BEHLEN MFG. CO.** Combination drying tower and heat blower. Dries soybeans, small grain, corn and other crops.

Columbus, Nebr.—**HARCO MFG. CO.** Industrial site. Plant also at Platte Center. Portable batch-type and recirculating driers.

Scottsbluff, Nebr.—**AIR-O-VATOR CO., INC.**, 1405 Ave. B. "Air-O-Vator" wind-driven grain drier which operates without heated air.

Raleigh, N. C.—**AEROGLIDE CORP.**, 510 Glenwood Ave., P. O. Box 1839. Manufactures "Aeroglide" grain driers.

New Holland, Pa.—**NEW HOLLAND MACHINE CO.** Subsidiary of Sperry Rand Corp. Crop driers.

DRYING EQUIP.—(Continued)

GRAIN DRIERS

San Francisco 7, Calif.—**SHANZER MFG. CO.**, 85 Blusome St. "Shanzer" columnar grain and soybean driers.

Cicero 50, Ill.—**HESS CO.**, 1855 S. 54th Ave. Manufacturing of drying equipment to reduce the moisture content of soybeans.

Evanston, Ill.—**BURROWS EQUIPMENT CO.**, 116-7 Sherman Ave.

Attica, Ind.—**GRAIN DRYING EQUIPMENT CO.** Continuous and batch "Droll" grain driers.

Davenport, Iowa—**DAVENPORT MACHINE & FOUNDRY CO.**, 1628 W. 4th St. "Rotary" soybean driers, conditioners, coolers.

Des Moines 9, Iowa—**CORN STATES HYBRID SERVICE**, 1101 Walnut St. "Campbell" grain driers. Aeration equipment.

Minneapolis 26, Minn.—**LAKESHORE MFG. CO.**, division of Arid-Aire Mfg. Co., 3305 Republic Ave. "Arid-Aire" commercial driers.

Minneapolis 1, Minn.—**LINDSAY BROS. CO.**, 409 N. 1st St. Also at Des Moines, Omaha, Sioux Falls and Fargo. Wholesale distributor.

Columbus, Nebr.—**HABCO MFG. CO.**, Industrial site. Plant also at Platte Center. Continuous stationary low heat, high air volume grain drying equipment.

Raleigh, N. C.—**AEROGLIDE CORP.**, 510 Glenwood Ave., P. O. Box 1839. Manufacturer of "Aeroglide" grain driers, gas or oil—full range of sizes.

Manfield, Ohio—**KROP KARE PRODUCTS**, division of Kilby Steel Co., Richland Trust Bldg. Soybean drying equipment.

Sidney, Ohio—**SUDNEY GRAIN MACHINERY CO.**, 424 N. Main St. Driers.

Toledo, Ohio—**O. W. RANDOLPH CO.**, 3917 29th St.

Sioux Falls, S. Dak.—**KOLMAN MFG. CO.**, P. O. Box 251. Plant at W. 12th St. Rd. Portable and stationary grain driers for normal drying and salvage drying.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St.

Memphis 3, Tenn.—**W. C. PITTS & SON, INC.**, 154 N. Front St.

MEAL DRIERS

Chicago 1, Ill.—**LINK BELT CO.** Also at Indianapolis, Philadelphia and Colmar, Pa.; Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Roto-Louvre, Multi-Louvre, etc.

Baltimore 24, Md.—**EDW. RENNEBURG & SONS CO.**, 219 Boston St. Rotary driers of all types (direct and indirect, including variable diameter "DehydrO-Mat" driers), coolers, elevators, conveyors, industrial oil burner systems.

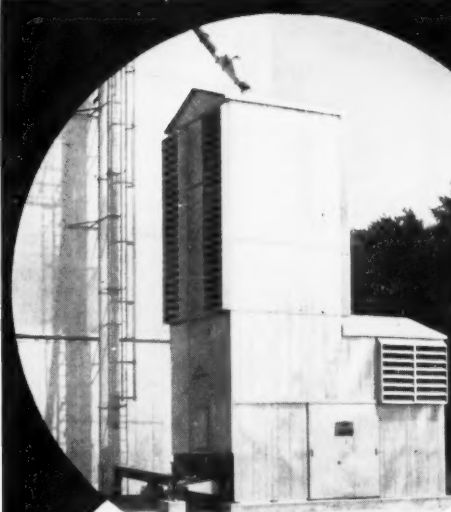
Hoboken, N. J.—**CONSOLIDATED PRODUCTS CO., INC.**, 32-54 Bloomfield St. Used rotary steam driers.

Cleveland 2, Ohio—**V. D. ANDERSON CO.**, 1990 W. 96th St. Rotary steam driers, solvent recovery driers.

Oreland, Pa.—**ACME COPPERSMITHING & MACHINE CO.** Direct heat, drum, cylindrical, indirect heat, rotary, spray type, steam jacketed, tray, vacuum, "Acme" hi-speed rotary film-type and multi-stage driers.

Milwaukee, Wis.—**ALLIS CHALMERS MFG. CO.**, gen. machinery div. Solvent removal driers.

Milwaukee, Wis.—**ARNOLD DRYER CO.**, 3000 W. Montana. Dehydrators.



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the greatest name
in GRAIN DRIERS!

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DUST CONTROL SYSTEMS DUST COLLECTORS

Hamden, Conn. — ENTOLETER DIV., Safety Car Heating & Lighting Co., Inc., 1187 Dixwell Ave. Dust collectors; "Simon" suction filters.

Chicago 40, Ill.—BREUER ELECTRIC MFG. CO., 5100 N. Ravenswood Ave. Dust collectors, industrial vacuum cleaners.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Decatur, Ill.—HUSS & SCHLIEPER, 714 N. Church St., P. O. Box 862. Dust collecting systems.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Mishawaka, Ind.—WHEELABRATOR CORP., 886 S. Byrkit St. Dust collector equipment to ventilate various processing operations. Blast cleaning equipment for maintenance and re-conditioning.

Wichita 4, Kans.—ARK VALLEY MILL & ELEVATOR SERVICE, INC., 1927 N. Mosley. Manufacturer of dust control equipment.

New Orleans, La.—NATIONAL BLOW PIPE & MFG. CO. LTD., Claiborne, Poland, Derbigny and Kentucky Sts.

Hopkins, Minn. — PROCESS MACHINERY DIV., Superior Separator Co., 121 Washington Ave. S. Air centrifuge dust collectors.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N.E. Dust filters and systems.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC. Bag cleaners.

Kansas City 8, Mo.—W. C. WIEDENMANN & SONS, INC. 1820-24 Harrison St.

Summit, N. J.—PULVERIZING MACHINERY DIV., Metals Disintegrating Co., Inc., River and Chatham Rds. Manufacturer of "Mikro-Collector" for product recovery and industrial dust control.

Buffalo 25, N. Y.—DUSTEX CORP., 1758 Walden Ave. "Microclone" and "Dustex" dust collectors.

Cleveland 5, Ohio—DRACCO CORP., 4063 E. 116th St. Industrial dust collecting equipment.

Cleveland 13, Ohio—FILTER FABRICS, INC., 1279 W. 3rd St. Industrial dust collecting bags built to specification.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Cyclone collectors.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO.

Fort Worth, Tex.—WICHITA INDUSTRIAL MFG. CO., P. O. Box 307, 3463 W. Vickery Blvd.

Milwaukee 16, Wis.—BLOWER APPLICATION CO., 3165 N. 30th St. Dust collecting systems.

ELEVATOR CUPS

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. All types, including the "HS" high speed elevator buckets.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Chicago 4, Ill.—B. I. WELLER CO., 327 S. La Salle St.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Moline, Ill.—K. I. WILLIS CORP.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Buckets.

Hammond, Ind.—SCREW CONVEYOR CORP., 757 Hoffman St. Elevator buckets ("Nu-Hy," "Salem," "Nu-Type") and bolts.

Cedar Rapids, Iowa—DIVINE ENGINEERING, INC., 315 7th Ave. S.E. Supplier.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Minneapolis, Minn. — R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Buckets.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC.

Kansas City, Mo.—GENERAL MILL EQUIPMENT CO., 2021 Pennsylvania Ave. Elevator buckets.

St. Louis, Mo.—DESIGN MFG. & EQUIPMENT CO., 1025 N. 6th St.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St. Elevator buckets.

Sidney, Ohio—SHELBY MFG. CO., P. O. Box 398.

Muncy, Pa.—SPROUT, WALDRON & CO. INC.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

Fort Worth, Tex.—FORT WORTH STEEL & MACHINERY CO., 3600 McCart St. Offices in Chicago, St. Louis, Kansas City and Memphis.

FANS

Little Rock, Ark.—HUBERT PHELPS MACHINERY CO., 1700 E. 9th St. Seed cooling fans.

Chicago 4, Ill.—GARDEN CITY FAN CO., 332 S. Michigan Ave. Plant at Niles, Mich. Fans, blowers and exhausters.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court.

East Moline, Ill.—DE BOTHEZAT FANS DIV., American Machine & Metals, Inc. Certified ventilating and air moving equipment.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Morton Grove, Ill.—GENERAL BLOWER CO., 8610 Ferris Ave. Fans, blowers, exhausters.

Skokie, Ill.—WM. W. MEYER & SONS INC., 8311 Niles Center Rd. Blowers, fans, exhausters and vacuum cleaners.

New Orleans, La.—NATIONAL BLOW PIPE & MFG. CO. LTD., Claiborne, Poland, Derbigny and Kentucky Sts. Industrial fans.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N. E.

Piqua, Ohio—HARTZELL PROPELLOR FAN CO., P. O. Box 909. Fan equipment, propeller fans of all types.

Sidney, Ohio—SHELBY MFG. CO., P. O. Box 398. Carloader blowers.

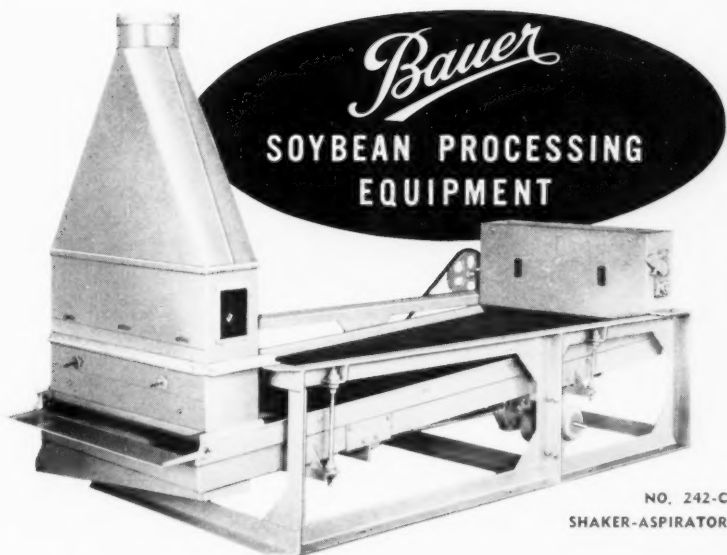
Springfield, Ohio — ROBBINS & MYERS, INC., 1345 Lagonda Ave. Also plants at Memphis, and Brantford, Ont. Industrial fans.

Muncy, Pa.—SPROUT, WALDRON & CO., INC.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

Fort Worth, Tex.—FORT WORTH STEEL & MACHINERY CO., 3600 McCart St. Offices in Chicago, St. Louis, Kansas City, Memphis. Exhaust fans.



NO. 242-C
SHAKER-ASPIRATOR

3 Sizes for Hull Removal

The Bauer Shaker-Aspirator is especially designed for removing the hulls from de-corticated soybeans. Mechanical forces are combined to sift out the meat while the hulls are drawn off by air currents to be pneumatically conveyed to a cyclone collector.

Other Bauer equipment for the soybean processing industry comprises Disc Granulators, Scalping Shakers, Cleaners, Cake Breakers, Attrition and Hammer Mills, Permanent Magnetic Separators. All of

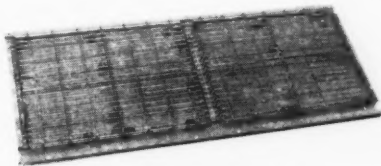
these machines and devices are shown in our general catalog and in special bulletins.

We do not manufacture oil extraction equipment, but cooperate with companies offering hydraulic, continuous screw press, and solvent processes. Because of our specific knowledge concerning seed and nut processing, we understand how to fit our equipment into the complete processing system. You are invited to take advantage of our engineering services.

THE BAUER BROS. CO.
1744 Sheridan Ave., Springfield, Ohio

ASK FOR CATALOG

Catalog No. 52 illustrates and briefly describes the whole Bauer line of process equipment. It refers to the individual bulletins which give complete data on specific equipment. You are invited to request the catalog and any bulletins you desire.



Self-Cleaning Ball Cage Sash

FARM EQUIPMENT

Bloomington, Ill. — **PORTABLE ELEVATOR MFG. CO.** Manufactures portable farm elevators, "Roll-A-Way" conveyors, bucket elevators.

Champaign, Ill. — **HARRISON CROPSAVER CO.**, 524 N. Hickory St. Manufacturer of "Crop-saver" pickup reel for combine.

Chicago 1, Ill. — **INTERNATIONAL HARVESTER CO.**, gen. office 180 N. Michigan Ave. "McCormick" farm equipment and "Farmall" and International tractors.

Chicago 6, Ill. — **OLIVER CORP.**, 400 W. Madison St. Manufactures drills and planters at Springfield, Ohio; combines at Battle Creek, Mich.; cultivators at South Bend, Ind.; wheel tractors at Charles City, Iowa.

Mendota, Ill. — **H. D. HUME CO.**, 812 N. Main St. Combination bat and tine pickup reels for combines and windrows. Crop guards for fast, safe cultivation; wire winder for fencing.

Moline, Ill. — **JOHN DEERE**. Tractors, machines and implements for preparing seedbed and for planting, cultivating, and harvesting soybeans; crop dusters.

Ottawa, Ill. — **KING & HAMILTON CO.**, 301 W. Marquette St. Also at Sioux Falls, S. Dak., Amboy, Ind., and Des Moines, Iowa. 9-18 inch belt conveyor and cup elevators.

Peoria 8, Ill. — **CATERPILLAR TRACTOR CO.** Diesel track-type and wheel-type tractors; motor graders; agricultural tool bars and tools; diesel engines and diesel electric sets; tractor shovels; scrapers; bulldozer blades; and cable and hydraulic controls.

Churubusco, Ind. — **AMERICAN TRACTOR CORP.** Manufacturer of farm implements.

Kempton, Ind. — **ALPRODCO INC. OF IND.** Also plants at Mineral Wells, Tex.; and Dublin, Ga. Manufacturer of aluminum gates.

Cedar Rapids, Iowa — **CENTURY ENGINEERING CORP.**, 401 3rd St. Manufactures sprayers, seeders, fertilizer spreaders.

Davenport, Iowa — **EVER-TITE MFG. CO.**, 417 Washington St., P. O. Box 666. Hydraulic and mechanical hoists.

Hesston, Kans. — **HESSTON MFG. CO., INC.** Soybean harvesting attachment for self-propelled combines. Vine chopper and shredder for combines.

Birmingham, Mich. — **TRACTOR & IMPLEMENT DIV.**, Ford Motor Co., 2500 E. Maple Rd. "Ford" tractor and "Ford" and "Dearborn" farm equipment.

Caro, Mich. — **RUSSELL MFG. CO.**, 415 Wells St., P. O. Box 148. "Russell Weed Controllers"—cultivator tools for eliminating weeds in rows; "Furrow-Master"—covering attachment for plows; "Surface Tiller" field leveler for pre-planting tillage.

Wayne, Mich. — **GAR WOOD INDUSTRIES, INC.** Gar Wood—St. Paul "Dump-It" low-mount farm conversion hoist for pickup and flat-bed trucks; Gar Wood—St. Paul "Frate Gate" hydraulic elevating and gates for pickup and flat-bed trucks.

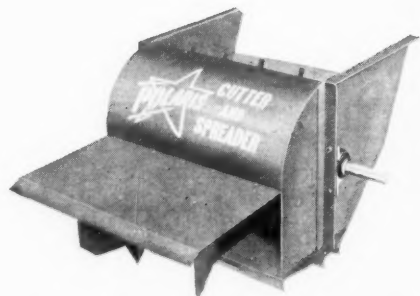
Minneapolis, Minn. — **AMERICAN IRON WORKS, INC.**, 1325 N. E. Quiney. Subsidiary of Champion Motors Co., Minneapolis. Manufactures "Strawmaster" device attached to rear of combine to chop and spread soybean straw; "Measur-Matic" combine measuring device; "Pulver-O-Master" vine chopper and stalk shredder.

"Thar's Gold in That Thar Straw" . . .

Every progressive farmer knows the value of returning the straw's valuable organic matter back to the soil.

The Polaris Cutter and Spreader thoroughly processes the straw as it leaves the combine, by breaking up the straw bunches and cutting the straw into shorter lengths, then uniformly distributes the result over the stubble area while combining.

Discing or plowing is then possible without the difficulties otherwise experienced, with the result that this residue, a natural organic fertilizer, is properly returned to the soil.



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POLARIS INDUSTRIES
ROSEAU, MINNESOTA

FARM EQUIPMENT—(Continued)

Minneapolis 22, Minn.—BETTER-BILT MFG. CO., 5182 W. Broadway. Manufacturer of "Culti-Leveler"—ground leveling attachment used in the cultivation of beans.

Minneapolis 15, Minn.—ELROY PRODUCTS CO., 529 S. 7th St. Affiliated with Polaris Industries Inc., Roseau, Minn. "Polaris" straw cutter and spreader.

Minneapolis, Minn.—WALTER HAERTEL CO., 2840 4th Ave. S. Manufacturer of "Harco Straw Sav-all"—attachment for combine which places two windrows into one for baling straw.

Minneapolis 11, Minn.—O. W. KROMER CO., 1130 Emerson Ave. N. Manufacturer of seed treaters and fertilizer applicators.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls and Fargo. Wholesale distributor. Straw cutters, combining equipment, "Hume" reel, "Polaris" straw chopper.

Minneapolis 1, Minn.—MINNEAPOLIS-MOLINE CO. Tillage tools, visionlined tractors, planters, and harvesters specially adapted to modern soy production.

New Ulm, Minn.—NEW ULM MFG. CO., 107 N. Front St. Manufacturer of "Kut-Rite" straw chopper.

Roseau, Minn.—POLARIS INDUSTRIES, INC. "Polaris" cutter and spreader for cutting and spreading soybean straw while combining.

Independence, Mo.—INDEPENDENCE WORKS OF ALLIS-CHALMERS MFG. CO. (formerly Gleaner Harvester Corp.), Box 518. Self-propelled combines—14-12-10 foot cut.

Archbold, Ohio—KING-WYSE, INC. Manufacturer of forage harvesters and blowers.

Yellow Springs, Ohio—GRINNELL FARM EQUIPMENT INC., 110 Dayton St. Wholesaler of farm equipment for use in soybean planting, cultivating and harvesting.

New Holland, Pa.—NEW HOLLAND MACHINE CO. Subsidiary of Sperry Corp. Automatic hay balers, field forage harvesters, rakes, wagons, spreaders, silage blowers, mowers, forage boxes, and bunk feeding attachments for use in harvesting soybeans and soybean mixtures for livestock feed.

York, Pa.—OLIVER CORP., 142 N. Duke St. Manufacturer of "Iron Age" planters.

Milwaukee, Wis.—ALLIS-CHALMERS MFG. CO., tractor div., 1135 S. 70th St. Also plants at La Porte, Ind.; La Crosse, Wis.; Gadsden, Ala.; Oxnard, Calif.; Springfield, Ill.; and Cedar Rapids, Iowa. Farm and industrial tractors, tillage tools, soybean planters, cultivators, fertilizers, and harvesters.

Racine, Wis.—BELLE CITY ENGINEERING CO., 921 Carroll St. Affiliate of Franklin Electric Co., Bluffton, Ind. Electric "Mix-Mill"—a farm feed mill which measures, mixes and grinds all within one unit.

Racine, Wis.—I. I. CASE CO., 700 State St. Agricultural machinery for the production of soybeans and other crops.

Racine, Wis.—FERGUSON DIV., Massey-Harris-Ferguson Inc. Manufactures "Ferguson" tractor and "Ferguson" system implements.

Racine, Wis.—MASSEY-HARRIS-FERGUSON INC., Quality Ave. Plants at Batavia, N. Y.; Fowler, Calif.; also in Canada and Europe. Manufactures farm tractors, combines and implements.

FERTILIZERS

Atlanta, Ga.—TENNESSEE CORP. Trace elements.

Chicago 6, Ill.—THOMSON PHOSPHATE DEPT., International Minerals & Chemical Corp., 20 N. Wacker Dr. Rock phosphate.

New York 7, N. Y.—AMERICAN AGRICULTURAL CHEMICAL CO., 50 Church St.

New York 20, N. Y.—AMERICAN CYANAMID CO., agricultural chemicals div., 30 Rockefeller Plaza.

Columbia, Tenn.—RUHM PHOSPHATE & CHEMICAL CO., P. O. Box 361. Phosphate.

FUMIGANTS

Chicago 3, Ill.—DOW CHEMICAL CO., Field Bldg., 135 S. La Salle St.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Huntington, Ind.—HUNTINGTON LABORATORIES, INC. Fumigants, sprays, powders, fly and moth killers.

North Kansas City 16, Mo.—DOUGLAS CHEMICAL CO., 620 E. 10th Ave.

New York 20, N. Y.—AMERICAN CYANAMID CO., agricultural chemicals div., 30 Rockefeller Plaza.

New York 6, N. Y.—LARVACIDE PRODUCTS, INC., 117 Liberty St. Soil and grain fumigants, industrial fumigants.

Richmond, Va.—VIRGINIA-CAROLINA CHEMICAL CORP., 401 E. Main St. "Black Leaf" pest control products.

FUNGICIDES

Naugatuck, Conn.—UNITED STATES RUBBER NAUGATUCK CHEMICAL DIV. "Phygon-XL," "Spargon Wettable."

New York 7, N. Y.—AMERICAN AGRICULTURAL CHEMICAL CO., 50 Church St.

New York 6, N. Y.—LARVACIDE PRODUCTS, INC., 117 Liberty St.

GERMINATORS

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS.

Fort Atkinson, Wis.—NATIONAL AGRICULTURAL SUPPLY CO.

GRAIN AND SEED CLEANING EQUIPMENT

Los Angeles 58, Calif.—SEPARATOR DIVISION, Southwestern Engineering Co., 4800 Santa Fe Ave. Manufactures "Sweco" separator.

San Francisco 7, Calif.—SHANZER MFG. CO., 85 Bluxome St. Shanzer "Berico" aspirating grain separator.

Stockton, Calif.—WESTERN ELECTRIC ENGINEERING CO., 31 W. 8th St. "Linde Air-Weigh" seed refiners.

Rocky Ford, Colo.—OLIVER MFG. CO. Gravity separators and stoners.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

GRAIN AND SEED CLEANING EQUIPMENT—(Continued)

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. Scalping, screening, aspirating and other equipment for grain cleaning and grading.

Des Moines 9, Iowa—CORN STATES HYBRID SERVICE, 1101 Walnut St.

Alma, Mich.—CRIPPEN MFG. CO., 750 Virginia St. Scalpers and cleaners for cleaning and grading soybeans for commercial and seedling quality.

Saginaw, Mich.—A. T. FERRELL & CO. "Clipper" soybean, grain and seed cleaning equipment.

Minneapolis, Minn.—CLELAND MFG. CO., 2800 Washington Ave. N. "Expert" bean cleaner; "Krussov" spiral separator.

Minneapolis 18, Minn.—HART CARTER CO. Screening and aspirating equipment for high capacity handling of beans as received and ahead of driers and for refined cleaning of beans to be processed; also for removal of hulls from cracked beans.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls and Fargo. Wholesale distributor. Cleaning machinery.

Minneapolis 11, Minn.—PIONEER FANNING MILL CO., 128 N. 2nd St. "Bull Dog" fanning mill, soybean cleaner, perforated zinc replacement material for soybean cleaners.

Minneapolis 13, Minn.—STRONG SCOTT MFG. CO., 451 Taft St. N. E. "Power-Flo" separators.

St. Paul 4, Minn.—HAAKY MILL & ELEVATOR SUPPLY, div. of Haaky Mfg. Co., 509 Vandalia St. Aspirators, scourers and scalpers.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC. Gravity separators and screen cleaners, stoning separators.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used "Ro-Ball," "Rotex" and vibrating screens and sifters.

Brocton, N. Y.—HUNTLEY MFG. CO. "Monitor" master cleaner for soybean processors.

Lockport, N. Y.—RICHMOND MFG. CO., 29 Gooding St. Subsidiary of Wallace & Tiernan, Inc., Newark, N. J. Sifting equipment for cleaning soybeans; "Permaflus" magnetic separators.

Rochester 11, N. Y.—ERDLE PERFORATING CO., INC., 171 York St. Grain cleaning screens.

Silver Creek, N. Y.—S. HOWES CO., INC. Separators, scalpers, cleaners, mixers, aspirators.

Cincinnati 23, Ohio—ORVILLE SIMPSON CO., 1230 Knowlton St. "Rotex" screeners.

Columbus 7, Ohio—BONDED SCALE & MACHINE CO., 95 Kingston Ave. Cleaning, sizing, grading and sorting machines.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Grain cleaners.

Springfield, Ohio—DUPLEX MILL & MFG. CO. Scalpers and cleaners.

Westerville, Ohio—J. W. HANCE MFG. CO. Seed graders, seed treaters, seed cleaner screen material for all types fanning mills, "Super-Speed" scalping shoes for grain, beans and corn.

Yellow Springs, Ohio—DRAKE MILL MACHINERY, INC., P. O. Box 27. Cleaners.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Cleaners and scalpers.

Dallas, Tex.—SUTTON, STEELE & STEELE, INC. "S S & S" airfloat stoners, specific gravity separators.

GRAIN GRADING EQUIPMENT MOISTURE TESTERS

Alhambra, Calif.—MOISTURE REGISTER CO., 1510 W. Chestnut St. "Model G5" and "Buck-eye Moisture Register"—electronic moisture testing instruments for use on soybeans, soybean oil meal, and other oil-bearing and non-metallic, powdered and granular materials.

Waterbury 20, Conn.—BRISTOL CO. Manufacturer of temperature and humidity recorders.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Official equipment for testing and grading soybeans and grain. "Stein-lite" moisture and oil testers.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave. Moisture testers.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Atchison, Kans.—FRED STEIN LABORATORIES, 121 N. 4th St. Manufactures electronic instrument for rapidly testing oil content of seeds; other models for testing moisture content of oil meal and seeds.

Saginaw, Mich.—A. T. FERRELL & CO. "C.A.E. Halross" moisture meter; hand testing screens; "Clipper" dockage tester.

Minneapolis, Minn.—CUTHBERT CO., INC., 302 4th Ave. S. Plants at 322 S. 3rd St. and 246 4th Ave. S. Manufactures test equipment. Moisture, dockage and general elevator supplies.

Columbus, Nebr.—BEHLEN MFG. CO. New electronic unit for on-the-farm moisture testing of all small grains.

Newark 5, N. J.—WESTON ELECTRICAL INSTRUMENT CORP., 614 Frelinghuysen Ave. A subsidiary of Daystrom, Inc. Indicating, recording and controlling instruments; moisture meters.

Brooklyn 1, N. Y.—HYGROTESTER, INC., P. O. Box 923. "Hygrotester" accurately measures moisture content of seeds, beans, meal, press and extraction residues. Continuously records, controls moisture content by regulating drying or moistening process.

Westerville, Ohio—J. W. HANCE MFG. CO. Grading machinery for industry, small capacity.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS. Dockage testers.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Fort Atkinson, Wis.—NATIONAL AGRICULTURAL SUPPLY CO. Moisture testers.

GRAIN HANDLING EQUIPMENT

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Geneva, Ill.—DUNBAR-KAPPLE INC. "Vac-U-Vator" pneumatic grain handler.

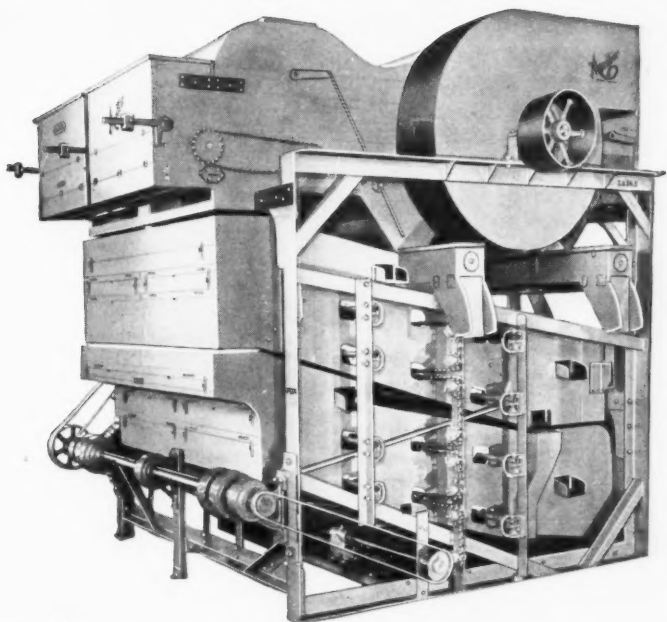
Minneapolis, Minn.—CUTHBERT CO., INC., 302 4th Ave. S. Plants at 322 S. 3rd St. and 246 4th Ave. S.

Columbus 7, Ohio—BONDED SCALE & MACHINE CO., 95 Kingston Ave.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS. Seed blowers. Seed counting devices.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. All types.

Fort Atkinson, Wis.—NATIONAL AGRICULTURAL SUPPLY CO.



(Patent applied for)

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"Q" Capacity Range From 3,000 to 7,000 Bushels Small Grain Per Hour

This latest advanced design in Soybean Receiving Separators solves your cleaning problems. Soybean processors already using these super-cleaners report them as exceptionally efficient.

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GRANULATORS

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court. For soybean expeller cake and water balls.

Muncy, Pa.—SPROUT, WALDRON & CO., INC.

GRINDING AND MIXING EQUIPMENT

Oakland 23, Calif.—MOORE DRY DOCK CO., Adeline St. Rolls for grinding and flaking mills.

San Francisco 10, Calif.—ENTERPRISE ENGINE & MACHINERY CO., 18th and Florida Sts. Subsidiary of General Metals Corp. "Vertical" grinder for preparation of soybeans, copra, cottonseed, flax seed and other oil-bearing materials.

Santa Rosa, Calif.—RIETZ MFG. CO., 150 Todd Road. "Rietz Disintegrators" for high capacity grinding of all oil-bearing material. "Rietz Prebreakers" for coarse crushing of all kinds.

Denver 16, Colo.—WAGNER MACHINE & MILL SUPPLY CO., 444 York St. Manufacturer of grinders and mixers.

Hamden, Conn.—ENTOLETER DIV., Safety Car Heating & Lighting Co., Inc., 1187 Dixwell Ave. "Entoleter" centrifugal hullers and impact mills.

Atlanta, Ga.—DAVIDSON-KENNEDY CO., 1090 Jefferson St. N.W., P. O. Box 97, Sta. D. Toasters, cracking and flaking rolls.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court. Dual screen pulverizers for soybean oil meal; two stage grinding setups; special hull grinders; "Blue Streak" triple reduction mills; hammermills.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Decatur, Ill.—HUSS & SCHLIEPER, 714 N. Church St., P. O. Box 862. Shaker-type feeders.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Streator, Ill.—MYERS-SHERMAN CO., 1643 S. Illinois St. Hammermills, molasses mixers, vertical batch mixers.

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. Roller mills; burr mills; hammermills.

Cedar Rapids, Iowa—HAMMERMILLS INC., 625 C Ave. N.W. Subsidiary of Pettibone Mulliken Corp. Crushing, grinding, mixing, hashing, pulverizing and shredding equipment.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E.

Marion, Iowa—RAPIDS MACHINERY CO., 889 11th St. "Marion" feed mixers and finishers.

Neola, Iowa—JENSEN MILLS. Distributor of wear-sharp hammers and self-sharpening blades for all makes of hammermills.

Bonner Springs, Kans.—H. C. DAVIS SONS' MILL MACHINERY CO., Dept. SGI. Roller mills and batch mixers.

Wichita 12, Kans.—FORSTER MFG. CO. Hammermills.

Wichita 4, Kans.—W-W GRINDER CORP., 2957 N. Market. Manufacturer of hammermills.

Port Huron, Mich.—BRYANT ENGINEERING CO., 1514 10th Ave. Hammermills.

Hopkins, Minn.—PROCESS MACHINERY DIV., Superior Separator Co., 121 Washington Ave. S. Grain separators, fractionating aspirators.

Minneapolis 14, Minn.—JACOBSON MACHINE WORKS, 1094 10th Ave. S.E. Hammermills.

Minneapolis 15, Minn.—SCHUTZ O'NEILL CO., 307 Portland Ave. Pulverizers.

Minneapolis 13, Minn.—STRONG SCOTT MFG CO., 451 Taft St. N.E. Grinders, mixers, scalpels.

St. Paul 4, Minn.—HAAKY MILL & ELEVATOR SUPPLY, div. of Haaky Mfg. Co., 509 Vandalia St. Dehulling equipment for soybeans.

St. Paul 8, Minn.—PAPER-CALMENSON & CO., County Rd. B. and Walnut St. Pulverizing mill hammers and associated parts.

Kansas City, Mo.—GENERAL MILL EQUIPMENT CO., 2021 Pennsylvania Ave. Concentrate and hatch mixers.

St. Louis, Mo.—DESIGN MFG. & EQUIPMENT CO., 1025 N. 6th St. Complete mixing and grinding equipment.

St. Louis 20, Mo.—DIXIE MACHINERY MFG. CO., 4200 Goodfellow Blvd. Grinding equipment; hammermills.

St. Louis 6, Mo.—GRUENDLER CRUSHER & PULVERIZER CO., 2915 2917 N. Market. Slow speed grinder for grinding of expeller or solvent cake. Fine grinder for fine flour, glue, plastics, chemical process and food industry.

St. Louis 6, Mo.—WILLIAMS PATENT CRUSHER & PULVERIZER CO., 2705 N. Broadway. "Meteor" grinders.

Ohama, Nebr.—EDWARD J. HECK & SONS CO., 1102 Farnam St. Manufactures hammermill screens.

Fort Lee, N. J.—BULLER BROS. INC., State Highway No. 4. Machine importer and manufacturer of cracking and flaking rolls.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used hammermills, attrition mills, pulverizers and mixers.

Summit, N. J.—PULVERIZING MACHINERY DIV., Metals Disintegrating Co., Inc., River and Chatham Roads. Manufacturer of "Mikro-Pulverizer" for granular or fine grinding; "Mikro-Atomizer" for ultra-fine grinding.

Buffalo 15, N. Y.—SCHUTTE PULVERIZER CO., 27 Clyde Ave. Grinding and milling equipment.

New York 7, N. Y.—MERCER-ROBINSON CO., INC., 30 Church St. Plant at Muncy, Pa. Also operate Mercer Engineering Works, Clifton, N. J. "Robinson" mixers, sifters, crushers, knife cutters, attrition mills and pulverizers.

Rochester 11, N. Y.—ERDLE PERFORATING CO., INC., 171 York St. Perforated metals made to special order.

Silver Creek, N. Y.—S. HOWES CO., INC. Scourers, mixers.

Utica 1, N. Y.—MUNSON MILL MACHINERY CO., INC., 210 Seward Ave. Subsidiary of Divine Bros. Co. Hammermills, attrition mills, rotary and vertical mixers, rotary knife cutters, molasses blenders, crushers, scalpels and graders.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St. Hammermills (swing or rigid hammers), crushers, pulverizers, screens.

Marion, Ohio—FAIRFIELD ENGINEERING CO., 324 Barnhart St. "Fairfield-Hughes" hammermill, "Fairfield-Haines" mixer.

Sidney, Ohio—SHELBY MFG. CO., P. O. Box 398. Vertical mixers.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Hammermills and feed mixers.

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As the recognized leader in the design of meal processing systems, PRATER has the experience and manufacturing facilities for completely outfitting your plant with:

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Known throughout the industry as the perfect granular grinder, with greater capacity—lower operating cost.

PRATER CAKE BREAKERS

For disintegrating press cake before adding moisture and final grinding.

PRATER GRANULATORS

For reducing press cake prior to entry into solvent systems.

PRATER WATER BALL BREAKERS

For breaking up agglomerations of solvent extracted flakes after adding moisture.

PRATER PERMANENT MAGNETS

For safeguarding fast moving machinery from the destructive effects of tramp iron.

PRATER ROTARY AIR LOCK FEEDERS

For sealing off the bottom discharge of dust collectors, bag filters, etc.

Whether you use mechanical screw presses, expellers, or the solvent extraction process, your best solution to meal processing problems is to get the advice and assistance of experienced PRATER Engineers.

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Chicago 50, Illinois

GRINDING AND MIXING EQUIPMENT—(Continued)

Springfield, Ohio—**BAUER BROS. CO.** Laboratory mills, attrition mills, hammermills, soybean hull aspirators, hullers, exhausters, crushers for seed cakes, feeders, breakers, shakers, specific gravity separators. Facilities for experimental projects.

Springfield, Ohio—**DUPLEX MILL & MFG. CO.** Hammermills, feed mixers, burr mills, attrition mill blowers, magnetic separators.

Westerville, Ohio—**J. W. HANCE MFG. CO.** Screen material—perforated zinc and galvanized steel plates, woven wire.

Yellow Springs, Ohio—**DRAKE MILL MACHINERY, INC.** P. O. Box 27. Manufacturer and distributor, hammermills, mixers.

Oklahoma City, Okla.—**ROSS MACHINE & MILL SUPPLY, INC.** 12 N. E. 28th St. Cracking rolls, flaking mills.

Chambersburg, Pa.—**WOLF CO.** 61 Commerce St. Cracking and flaking mills, sifters and graders. Double, single, 2 and 3-pair high roller mills for large capacity grinding.

Muncy, Pa.—**SPROUT, WALDRON & CO., INC.** Complete milling equipment. Roller mills, hammermills, attrition mills, laboratory mills, crushers.

Pittsburgh 22, Pa.—**BLAW-KNOX CO.**, Lewis foundry and machine div. Also at Chicago 1, Ill. Flaking rolls.

Pittsburgh, Pa.—**CONTINENTAL FOUNDRY & MACHINE CO.** 220 Grant St. Milling and flaking rolls.

Franklin, Tenn.—**J. B. SEDBERRY, INC.** Hammermills; "Jay Bee" grinding equipment, batch and molasses mixers.

Memphis, Tenn.—**DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia. Hammermills and mixers.

Fort Worth, Tex.—**FORT WORTH STEEL & MACHINERY CO.**, 3600 McCart St. Offices in Atlanta, Memphis, Houston, Kansas City, San Francisco, Los Angeles, Chicago, St. Louis, Jersey City, Denver.

Fort Worth, Tex.—**WICHITA INDUSTRIAL MFG. CO.** P. O. Box 307, 3463 W. Vickery Blvd. Batch mixers.

Milwaukee, Wis.—**ARNOLD DRYER CO.**, 3000 W. Montana. Hammermills.

Milwaukee 46, Wis.—**DINGS MAGNETIC SEPARATOR CO.**, 4740 W. Electric Ave. Manufactures magnetic separators and metal detectors.

Toronto, Ont., Canada—**CANIMPEX AGRICULTURAL PRODUCTS & FEEDS**, 49 Wellington St. E. Decomatic universal hulling and decorticating machine for hulling and processing soybeans. "Beka" impact grinding mill.

HERBICIDES INSECTICIDES AND PESTICIDES

Naugatuck, Conn.—**UNITED STATES RUBBER NAUGATUCK CHEMICAL DIV.** "Alanap-1" and "Alanap-3"; "Aramite-15W", "Synklor-30-W" and "Synklor-48-E".

Wilmington, Del.—**E. I. du PONT de NEMOURS & CO., INC.** Grasselli chemicals dept. Chemical weed killers; "Marlate" methoxychlor insecticide.

Chicago 6, Ill.—**SEEDBURO EQUIPMENT CO.**, 794 Converse Bldg.

Evanston, Ill.—**BURROWS EQUIPMENT CO.**, 116-7 Sherman Ave.

Cedar Rapids, Iowa—**J. C. KINTZ CO.**, 1737 R Ave. N.E.

North Kansas City 16, Mo.—**DOUGLAS CHEMICAL CO.**, 620 E. 16th Ave. Agricultural insecticides and pesticides.

Middleport, N. Y.—**NIAGARA CHEMICAL DIV.**, Food Machinery & Chemical Corp. Also plants in Harlingen, Tex.; Wyoming, Ill.; Richmond, Calif.; Jacksonville, Fla. Weed killers; insecticides.

New York 7, N. Y.—**AMERICAN AGRICULTURAL CHEMICAL CO.**, 50 Church St.

New York 20, N. Y.—**AMERICAN CYANAMID CO.**, agricultural chemicals div., 30 Rockefeller Plaza.

New York 6, N. Y.—**LARVACIDE PRODUCTS, INC.**, 117 Liberty St. Weed killers.

Richmond, Va.—**VIRGINIA-CAROLINA CHEMICAL CORP.**, 401 E. Main St. "Black Leaf" pest control products.

INOCULANTS

Chicago 90, Ill.—**ALBERT DICKINSON CO.**, Box 788. "Nodogen" inoculant.

Quincy, Ill.—**KALO INOCULANT CO.** Legume inoculants "Kalo," "Uni Culture."

Urbana, Ill.—**HANSEN INOCULATOR CO.**, 808 N. Lincoln Ave. "Hansen's Inoculator."

Urbana, Ill.—**URBANA LABORATORIES**, 406 N. Lincoln. "Urbana Culture" and "Urbana Humus Inoculator" for all legume seeds; also materials and supplies for testing soils for deficiencies in lime, phosphorus, potassium and nitrogen. Plant tissue tests for nitrogen, phosphates and potash.

Columbus 12, Ohio—**AGRICULTURAL LABORATORIES, INC.**, 1145 Chesapeake Ave. "Legume-Aid," the inoculant in the carton.

Clemson, S. C.—**SOUTHERN INOCULATION LABORATORY**, 101 Hilecrest. Producer of inoculation for legume seeds.

Fort Atkinson, Wis.—**NATIONAL AGRICULTURAL SUPPLY CO.**

Milwaukee 9, Wis.—**NITRAGIN CO., INC.**, 2279 W. Custer Ave. "Nitragin Seed" inoculation.

LABORATORY EQUIPMENT

Alhambra, Calif.—**MOISTURE REGISTER CO.**, 1510 W. Chestnut St. Electronic moisture-testing instruments.

Fullerton, Calif.—**BECKMAN INSTRUMENTS, INC.**, 280 Fullerton Rd. "Beckman Automatic Titrator" for titrations in chemical laboratory; "Beckman pH Meters" for hydrogen-ion determinations; "Beckman Spectrophotometers" for chemical analysis of soybean oil; "Beckman Aquameter" for moisture determination.

Chicago 13, Ill.—**CENTRAL SCIENTIFIC CO.**, 1200 Irving Park Rd. Branches at Boston, Tulsa, Newark, Santa Clara, Los Angeles, Toronto, Vancouver and Montreal. Instruments for laboratory testing of soybeans and derivatives.

Chicago 47, Ill.—**PRECISION SCIENTIFIC CO.**, 3737 W. Cortland. Kjeldahl apparatus, crude fibre digestion, extraction; "Freas" and "Theleo" laboratory ovens; water stills; "Pen-sky Martins" flash tester.

Chicago 6, Ill.—**SEEDBURO EQUIPMENT CO.**, 794 Converse Bldg.

LABORATORY EQUIPMENT—

(Continued)

Chicago 51, Ill.—WILKENS-ANDERSON CO., 425 W. Division St., 6R Coleman Spectrophotometer and pH meters.

Evanston, Ill.—BURROWS EQUIPMENT CO., 136-7 Sherman Ave.

Kansas City, Mo.—LABORATORY CONSTRUCTION CO., 113 Holmes St. Specialized laboratory apparatus for the soybean industry.

Clifton, N. J.—TORSION BALANCE CO., 35 Monticello St. Laboratory and analytical balances and scales used in research laboratories and production control laboratories.

Tulsa, Okla.—REFINERY SUPPLY CO., 621-623 E. 4th St. Manufacturer and supplier of scientific equipment. "R. S." cottonseed oil samplers, A. O. C. S. official oil trier.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. Laboratory extractors.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS. Special laboratory equipment.

MAN-LIFTS

San Francisco 7, Calif.—SHANZER MFG. CO., 85 Bluxome St. "Shanzer" belt type man-lifts.

Evanston, Ill.—BURROWS EQUIPMENT CO., 136-7 Sherman Ave.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St.

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W.

Enterprise, Kans.—J. B. EHRSAM & SONS MFG. CO. Electric elevators and electric belt man-lifts.

Faribault, Minn.—HUMPHREY ELEVATOR CO. "Humphrey" man-lift belt elevator.

Minneapolis 13, Minn.—STRO... CO., 451 Tatt St. N.E.

Sidney, Ohio—SIDNEY GRAIN MACH... CO., 424 N. Main St.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

MATERIAL HANDLING EQUIPMENT

Paragould, Ark.—WONDER STATE MFG. CO. Subsidiary of Bertig Co. Supplier of handling equipment.

Aurora, Ill.—FINCO, INC., 65 Fox St. Sells complete line of material handling equipment.

Aurora, Ill.—STEPHENS-ADAMSON MFG. CO. Also offices in Los Angeles, St. Louis, New York and Chicago. Plants at Aurora, Los Angeles and Belleville, Ont. Bulk material handling equipment.

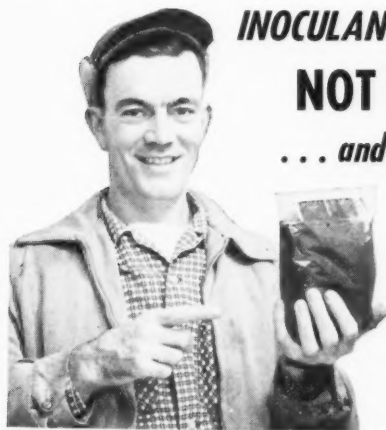
Bloomington, Ill.—EIKENBERRY CO., P. O. Box 146. Plant at 204 E. Elm St. Jobber of all material handling equipment.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto.

Evanston, Ill.—BURROWS EQUIPMENT CO., 136-7 Sherman Ave.

Cedar Rapids, Iowa—HAMMERMILLS INC., 23 C Ave. N.W. Subsidiary of Pettibone Multi-lifted Corp.

Jackson, Mich.—McLAUGHLIN, WARD & CO., 40 S. 2nd St.



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MATERIAL HANDLING EQUIPMENT—(Continued)

Beatrice, Nebr.—TOTE SYSTEM, INC., 700 S. 4th St. Affiliate of Beatrice Steel Tank Mfg. Co. "Tote System" bulk material handling equipment.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St.

Bangor, Pa.—GODSHALK SHEET METAL FABRICATORS, N. Main St. Materials handling equipment for the feed and grain trade.

Muncy, Pa.—SPROUT, WALDRON & CO. INC.

Philadelphia 29, Pa.—AMERICAN PULLEY CO., 4200 Wissahickon Ave.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

Fort Worth, Tex.—FORT WORTH STEEL & MACHINERY CO., 3600 McCart St. Offices in Chicago, St. Louis, Kansas City, Memphis.

MATERIAL LEVEL INDICATORS

Detroit 15, Mich.—BIN-DICATOR CO., 1394 Kercheval Ave. "Bin-Dicator."

MISCELLANEOUS EQUIPMENT

Riverside, Calif.—T. W. PROSSER CO., 3695 Main St. Manufactures "Irrrometer" soil-moisture indicator.

Denver 17, Colo.—GATES RUBBER CO., 999 S. Broadway. Industrial hose, rubber-faced steel plate.

Chicago 5, Ill.—CRANE CO., 836 S. Michigan Ave. Complete line of valves, fittings, steam specialties, fabricated piping.

Chicago 44, Ill.—HARRINGTON & KING PERFORATING CO., 5655 Fillmore St. Manufacturer of perforated screens and other types of perforated material.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court. Rotary airlocks, permanent magnets.

Chicago 47, Ill.—SIGNODE STEEL STRAPPING CO., 2600 N. Western Ave., Dept. 113 SBB. Grain doors, retaining doors, retaining strips, strapping and accessories.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Spout magnets, wire rope and accessories.

Skokie, Ill.—POWERS REGULATOR CO., 3400 Oakton St. Temperature and humidity control systems for processing and space conditioning.

Springfield, Ill.—SPRINGFIELD BOILER CO., div. of John W. Hobbs Corp., 1900 E. Capitol Ave. Boilers, steam generating units.

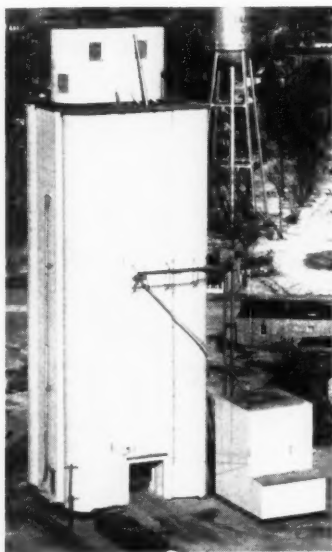
Cedar Rapids, Iowa—DIVINE ENGINEERING, INC., 315 7th Ave. S.E. Supplier.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Magnets, head drives, motors.

Minneapolis 14, Minn.—JACOBSON MACHINE WORKS, 1094 10th Ave. S.E. Magnetic equipment.

St. Paul 8, Minn.—PAPER-CALMENSEN & CO., County Rd. B. and Walnut St. Steel warehouse and fabricating.

St. Louis 3, Mo.—CENTURY ELECTRIC CO., 1806 Pine St. Offices in principal cities. Manufactures electric motors, generators, and selective speed power units.



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MISCELLANEOUS EQUIPMENT—

(Continued)

St. Louis 12, Mo.—GEORGE P. DORRIS CO., INC., 6108 Clemens Ave. Shaft-mounted and base-type speed reducers.

Omaha 2, Nebr.—EATON METAL PRODUCTS CORP., 1301 Willis Ave. Also at Hutchinson, Kans. Fabricator of plate and sheet steel products.

Omaha, Nebr.—EDWARD J. HECK & SONS CO., 1102 Farnam St. Distributes mill machinery and supplies applicable to the soybean industry.

Bristol, N. H.—INTERNATIONAL PACKING CORP. Affiliate of Graton & Knight Co., Worcester, Mass. Also at Chicago, Dallas, Detroit, Kansas City and St. Louis, New York, Philadelphia, San Francisco. Leather and synthetic rubber packings, adaptors, bellows, cup, diaphragm, flange oil seal, "O" ring, "U," "V," washers.

Cedar Grove, N. J.—INDUSTRIAL INSTRUMENTS INC., 89 Commerce Road. Manufactures soil moisture testing equipment and soil salinity and soil fertilizer testing equipment.

Trenton, N. J.—HAMILTON RUBBER MFG. CORP., P. O. Box 361. Rubber hose and sheet packing.

Brooklyn 17, N. Y.—INDUSTRIAL MARKING EQUIPMENT CO. INC., 454 Baltic St. Designs and manufactures conveyor line markers, printers for case numbering or dating, carton printers, multiwall bag printers, printing attachments for packaging machines.

Lockport, N. Y.—RICHMOND MFG. CO., 29 Gooding St. Subsidiary of Wallace & Tiernan, Inc., Newark, N. J. Stream splitters.

Long Island City, N. Y.—MANHATTAN PERFORATED METAL CO., 43-17 37th St. Perforated metal and grilles.

New York 4, N. Y.—INGERSOLL-RAND CO., 11 Broadway. Plants at Phillipsburg, N. J.; Painted Post, N. Y.; Athens, Pa. Compressors; power tools.

Archbold, Ohio—KING-WYSE, INC. Electric motors.

Cleveland 7, Ohio—MARTINDALE ELECTRIC CO., 1327 Hird Ave. Manufactures industrial tools, supplies and safety equipment. Protective dust mask.

Springfield, Ohio—ROBBINS & MYERS, INC., 1345 Lagonda Ave. Also plants at Memphis, and Brantford, Ont. Hoists and cranes; motors—totally-enclosed, explosion-proof, all-weather polyphase.

Westerville, Ohio—J. W. HANCE MFG. CO. Grain valves and fittings, turn-heads, swivel spouts, 2 and 3-way valves and fittings, flexible grain pipe.

Youngstown 1, Ohio—REPUBLIC RUBBER DIV., Lee Tire & Rubber Co., Albert St. Steam, water and air hose; sheet and strip rubber packing; rubber specialties.

Oklahoma City, Okla.—ROSS MACHINE & MILL SUPPLY, INC., 12 N.E. 28th St. General mill supplies.

Portland 2, Ore.—RAYTURN MACHINE CORP., 8200 S.E. 7th Ave. Manufactures "Irrigation" soil moisture measuring equipment for use in controlling irrigation.

Carnegie, Pa.—RED JACKET CO., INC., 500 Bell Ave. Manufactures rubber valves for handling solids or bulk material.

Hatboro, Pa.—FISCHER & PORTER CO., 225 Warminster Rd. Complete process control instrumentation; chlorination equipment; water

treatment systems; data reduction and automation systems; centralized control systems; industrial glass products.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. "Acme" multi-jet barometric condensers.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS. Plastic seed containers.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Magnets, electric motors, gear reducers, spouting.

Memphis, Tenn.—J. E. DILWORTH CO., 730 S. 3rd, P. O. Box 2834. Also in Jackson, Miss., and Tuscaloosa, Ala. Industrial supply distributor of motors, reducers, electric controls and instruments; heavy hardware, pipe, valves and fittings.

Memphis 2, Tenn.—HAYS SUPPLY CO., 269-287 S. Front St. Motors; motor controls; maintenance supplies and tools.

Memphis, Tenn.—INDUSTRIAL ELECTRIC & SUPPLY CO., 62 Auction St. Electrical equipment; motors—new and rebuilt.

Memphis, Tenn.—INDUSTRIAL SUPPLIES, INC., Poplar Ave. and River Front. Distributor of equipment and supplies for the soybean industry.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St. Steel warehouse and equipment and supplies for the grain industry.

Dallas, Tex.—BRIGGS-WEAVER MACHINERY CO., 5000 Harry Hines Blvd. Also at Fort Worth and Houston. Distributor of industrial machinery and supplies.

Fort Worth, Tex.—WELL MACHINERY & SUPPLY CO., INC., 1629 Main St. General industrial supplies and equipment.

Fort Atkinson, Wis.—NATIONAL AGRICULTURAL SUPPLY CO. Soil testers and samplers; disease specimens and exhibits.

Milwaukee 46, Wis.—STEARNS MAGNETIC INC., 688 S. 28th St. All types of permanent and electro magnetic separators (spout magnetic drums, magnetic pulleys, plate magnets, suspended separation magnets); magnetic brakes and clutches.

PACKAGING MATERIALS

Bristol, Pa.—PATERSON PARCHEMENT PAPER CO. Also plant at 1400 Kifer Rd., Sunnyvale, Calif. Branch offices in New York and Chicago. Manufacturer of genuine vegetable parchment. Plain and printed, rolls or sheets, for margarine, shortening and other products.

PELLET MACHINES

San Francisco 3, Calif.—CALIFORNIA PELLET MILL CO., 1800 Folsom St. Also at Crawfordsville, Ind.; North Kansas City 16, Mo.

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. "Cold Process" pellet mill.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B. Ave. N.E.

Owensboro, Ky.—ANGLO AMERICAN MILL CORP.

Minneapolis 20, Minn.—ROONEY WELDING & MACHINE SHOP, 8710 Lyndale Ave. S. Rebuilding and hardfacing pellet mill rolls with diagonal or straight corrugations.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N.E. Pellet mills.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used pellet machines.

Muncy, Pa.—SPROUT, WALDRON & CO., INC.

POWER TRANSMISSION EQUIPMENT

Birmingham, Ala.—CONTINENTAL GIN CO., industrial div. Offices at Atlanta, Dallas, Memphis, Knoxville and New York.

Aurora, Ill.—STEPHENS-ADAMSON MFG. CO. Also offices in Los Angeles, St. Louis, New York and Chicago. Plants at Aurora, Los Angeles and Belleville, Ont.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Chains, sprockets, bearings, couplings, speed reducers, gearmotors, variable speed drives, backstops, V-belt and chain drives, etc.

Decatur, Ill.—HUSS & SCHLIEPER, 714 N. Church St., P. O. Box 862.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1336-7 Sherman Ave.

Peoria, Ill.—PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St. Roller chain and sprockets; motors and controls; moto-reducers; pulleys, bearings; takeups.

Mishawaka, Ind.—DODGE MFG. CORP. "Flex-tyne" dry-fluid drives and couplings; "Tapet-Lock" bushed V-belt sheaves, sprockets, couplings (flexible, rigid and chain) and steel conveyor pulleys; "Torque-Arm" speed reducers; shaft collars; takeups; variable speed drives; bearings, split steel transmission pulleys.

Cedar Rapids, Iowa—DIVINE ENGINEERING, INC., 315 7th Ave. S.E. Supplier of motors, flexible couplings, speed reducers, sprockets, pulleys, bearings, takeups.

Enterprise, Kans.—J. B. EHRSAM & SONS MFG. CO. Power transmission equipment including pulleys, gears, plain and anti-friction bearings, shafting, clutches, sprockets, pillow blocks, V-belt sheaves, flexible and rigid couplings.

Jackson, Mich.—McLAUGHLIN, WARD & CO., 409 S. 23rd St.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Power transmissions.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N.E. V-belt drives.

St. Louis, Mo.—DESIGN MFG. & EQUIPMENT CO., 1025 N. 6th St. Motors, V-belts, sheaves, roller chain and sprockets, bearings.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St.

Oklahoma City, Okla.—SOUTHWESTERN SUPPLY & MACHINE WORKS, 6 E. Chickasaw St.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Cast iron pulleys.

Philadelphia 29, Pa.—AMERICAN PULLEY CO., 4200 Wissahickon Ave. Speed reduction units, V-belt sheaves, V-belts, motor bases, adjustable-speed sheaves, steel split pulleys, conveyor pulleys, Hi-Torque pulleys.

Philadelphia 32, Pa.—PHILADELPHIA GEAR WORKS, INC., G St. below Erie Ave. Also operates Virginia Gear & Machine Co., Lynchburg, Va. All types of power transmission equipment including gears, speed reducers, valve controls, gearmotors, couplings.

Philadelphia 32, Pa.—SKF INDUSTRIES, INC., Front St. and Erie Ave. Other plants at Hornell, N. Y.; Shippensburg and Altoona, Pa. Manufactures ball and roller bearings; pillow blocks; steel, stainless and bronze balls.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St. Distribution of industrial supplies.

Fort Worth, Tex.—FORT WORTH STEEL & MACHINERY CO., 3600 McCart St. Offices in Chicago, St. Louis, Kansas City and Memphis. V-belt drives and roller chain sprockets.

Houston, Tex.—HOUSTON BELTING & SUPPLY CO., 1717 Walker St.

PUMPS

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 710-734 H. St. Pumps—centrifugal and rotary in stainless steel and bronze.

Stamford, Conn.—DORR OLIVER INC. Pumps—centrifugal, vacuum, diaphragm, stainless steel.

Rockford, Ill.—GEO. D. ROPER CORP., pump div., 508 Blackhawk Park Ave. Rotary (gear-type) positive displacement pumps for transfer of soybean oil.

Cedar Falls, Iowa—VIKING PUMP CO. Rotary pumps for handling soybean oils and solvents.

Warren, Mass.—WARREN STEAM PUMP CO., INC., Bridges Ave. "Warren" and "Warren-Quimby" centrifugal, reciprocating and rotary-type pumping machinery.

Grand Rapids 9, Mich.—BLACKMER PUMP CO., INC. Rotary power pumps, rotary hand pumps. Piston hand pumps.

Minneapolis 13, Minn.—JEROME SIMER CO., 422 Stinson Blvd. Paddle Pumps, bronze or stainless steel, self-priming, oil or chemical transfer pumps.

Brooklyn 1, N. Y.—FOSTER PUMP WORKS, INC., 51-A Washington St. Soybean oil pumps, solvent pumps, foots pumps used in deodorizing, hydrogenating and fractionating processes.

New York 4, N. Y.—INGERSOLL-RAND CO., 11 Broadway. Plants at Phillipsburg, N. J.; Painted Post, N. Y.; Athens, Pa.

Springfield, Ohio—ROBBINS & MYERS, INC., 1345 Lagonda Ave. Also plants at Memphis, and Brantford, Ont. Moyno "Progressive Cavity" pump.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

RESPIRATORS

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1336-7 Sherman Ave.

SEED PROTECTANTS

Naugatuck, Conn.—UNITED STATES RUBBER NAUGATUCK CHEMICAL DIV. "Phygon Seed Protectant," "Phygon Naudgets," "Spiergon," "Spiergon DDT," "Spiergon SL," "Spiergon-DDT-SL," "Thiram-75W," "Thiram 50 dust."

Wilmington, Del.—E. I. du PONT de NEMOURS & CO., INC., Grasselli chemicals dept. "Arasan" seed disinfectant.

Westerville, Ohio—J. W. HANCE MFG. CO. Seed treating equipment. (Fungus diseases.)

SIFTERS

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave.

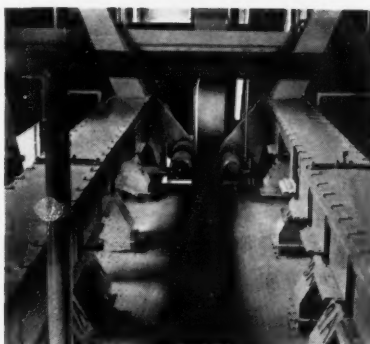
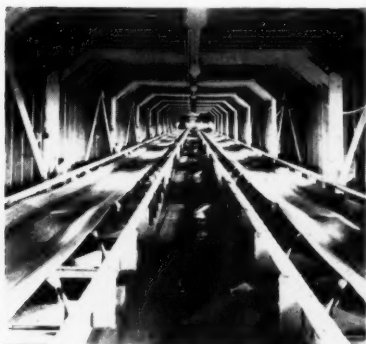
Fort Scott, Kans.—NORVELL, INC., 402 E. 20th.

Minneapolis 15, Minn.—SCHUTZ O'NEILL CO., 307 Portland Ave.

Lockport, N. Y.—RICHMOND MFG. CO., 29 Gooding St. Subsidiary of Wallace & Tiernan, Inc., Newark, N. J. High-speed gyro sifters.

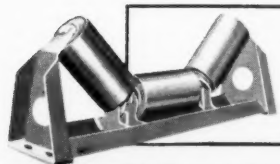
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ENGINEERS



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- Elevating and Conveying Machinery
- Grain Storage and Equipment
- All Types Feed Mills Equipment

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45 West Virginia St.

(Corner of Kentucky and
Virginia Streets)

Memphis, Tenn.

*We can offer engineering service.
All orders handled promptly.*

SIFTERS—(Continued)

Silver Creek, N. Y.—S. HOWES CO., INC.
Cincinnati 12, Ohio—J. H. DAY CO., INC.,
4932 Beech St. "Day" sifter and mixer, mixer
agitators, "Day Roball" gyrating sifters.
Cincinnati 23, Ohio—ORVILLE SIMPSON CO.,
1230 Knowlton St. "Rotex" screeners.

SOYBEAN STORAGE

ELEVATOR, PROCESSOR UNITS

Paragould, Ark.—WONDER STATE MFG. CO.
Affiliate of Bertig Co. Supplier of bins, tanks
and storage facilities.

Chicago 2, Ill.—WONDER BUILDING CORP.
OF AMERICA, 30 N. La Salle St. Plant at 2415
W. 14th St. Affiliate of M.P.H. Mfg. Corp., Inc.
Manufacturing and sale of prefabricated metal
buildings for storage, processing and manufac-
turing.

Kankakee, Ill.—A. O. SMITH CORP., P. O.
Box 28, "Permaglas" storage units.

Maroa, Ill.—J. E. REESER CO. Concrete stor-
age bins.

Des Moines 9, Iowa—CORN STATES HYBRID
SERVICE, 1101 Walnut St.

Wichita 4, Kans. — ARK VALLEY MILL &
ELEVATOR SERVICE, INC., 1927 N. Mosley.
Butler steel tanks; concrete grain storage.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave.
N.E. Bulk storage bins.

Minneapolis, Minn.—HOGENSON CONSTRUC-
TION CO., 622 Flour Exch. Designer and build-
er of soybean storage and processing plants.

Kansas City 26, Mo.—BLACK, SIVALLS &
BRYSON, INC., 7500 E. 12th.

Kansas City 26, Mo.—BUTLER MFG. CO.,
7400 E. 13th St. Bolted grain storage tanks.

Kansas City, Mo. — COLUMBIAN STEEL
TANK CO., P. O. Box B-4226. Bolted steel
grain elevator tanks.

Kansas City, Mo.—MIDWEST STEEL PROD-
UCTS CO., Railway Exch. Bldg. Bolted storage,
elevator-type bins.

Omaha 2, Nebr.—EATON METAL PRODUCTS
CORP., 1301 Willis Ave. Also Kansas div. at
Hutchinson. Special bean and oil storage tanks
for processing plant.

Omaha 8, Nebr.—TILLOTSON CONTRACTING
CO., 1215 Jones St. Mill and elevator con-
struction.

New York 20, N. Y.—NICHOLSON CO., INC.,
10 Rockefeller Plaza. Bulk storage and hand-
ling equipment construction. Reinforced concrete
storage bins.

New York, N. Y.—R. C. STANHOPE, INC.,
60 E. 42nd St. Steel storage tanks.

Camden, Ohio—NEFF & FRY CO. Concrete
stave bins.

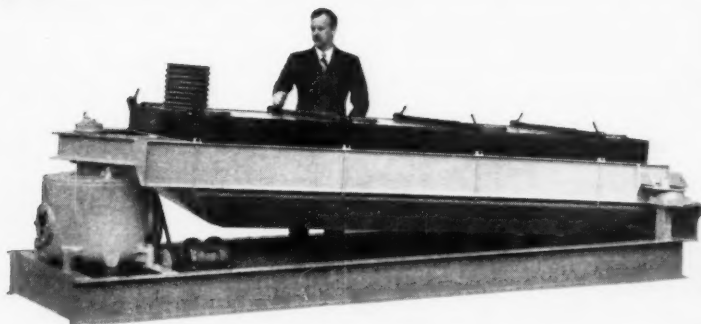
Mansfield, Ohio—KROP-KARE PRODUCTS,
division of Kilby Steel Co. Storage bins.

Marietta, Ohio — MARIETTA CONCRETE
CORP., Box 356, Westview. Also Race Road
and Pulaski Highway, Baltimore, Md.; Box 2268,
Hollywood, Fla.; 411 Foster St., Nashville, Tenn.;
Box 237, Falconer, N. Y.; Box 5192, Charlotte,
N. C. Grain tanks, "Air-Cell" reinforced con-
crete stave grain tanks.

SOYBEAN BLUE BOOK

ROTEX

S C R E E N E R S



ROTEX Screener No. 82
With two screen surfaces, each 40 by 120 inches.

Wherever there is a screening operation in a soybean plant, you will find that ROTEX Screeners can handle it to a real advantage.

At the present time ROTEX are being widely used for the rough cleaning of whole soybeans, for further cleaning them through a coarse screen and over a fine screen, for the sizing of soybean meal, both before and after grinding and for the removal of fine dust from finished meal.

ROTEX handles all these jobs exceptionally well because of the combination of the nearly level gyratory action of the screen box and the action of the rubber ball mesh cleaning system.

While the screen box action stratifies the material and conveys it over the screen surface at an angle of inclination of only 4 degrees, the rubber balls, bouncing continuously and uniformly against the underside of the screen mesh, keep the entire area of the screen mesh open and free from clogging, thus assuring a complete separation and a maximum capacity per square foot of screen area.

There are over twenty-two standard ROTEX Models in various sizes, with from one to five screen surfaces so that it is always possible to obtain the proper size ROTEX for any capacity and separation requirement. Special Models, with variations to fit the customer's installation requirements, can also be furnished thus often eliminating expensive spouting or conveyors.

Our thirty-five years of experience in building ROTEX Screeners, with thousands of machines in daily use, assures you of trouble-free design and rugged construction that will give the most satisfactory continuous operation.

Send us a detailed description of your screening requirements and allow us to give you detailed information on ROTEX Screeners for your plant.

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1230 KNOWLTON ST., CINCINNATI 23, OHIO

SOYBEAN STORAGE—

(Continued)

Massillon, Ohio.—MICHIGAN SILO CO., Cherry Rd. N.W. Affiliate of Concrete Silo Co., Bloomfield, Ind. Concrete stave storage bins.

Sidney, Ohio.—SHELBY MFG. CO., P. O. Box 398. Storage bins.

Springfield, Ohio.—ROSS EQUIPMENT CO., 1209 Warder St. Affiliate of William Bayley Co. Bolted steel grain storage tanks, hopper bottoms, metal fabrication.

Tulsa, Okla.—NATIONAL TANK CO., Drawer 1710. Bolted steel tanks.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Distributor for commercial "Permaglas" storage tanks for soybean oil meal storage.

Chattanooga, Tenn.—CHATTANOOGA BOILER & TANK CO., 1011 E. Main St. Storage tanks—ground level or elevated, pressure or gravity type, carbon steel, stainless or aluminum; bins, chutes, hoppers; miscellaneous steel fabrication.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Steel grain tanks.

Memphis, Tenn.—J. E. DILWORTH CO., 730 S. 3rd, P. O. Box 2834. Also plant at Jackson, Miss., and Tuscaloosa, Ala. Storage bins.

Memphis 2, Tenn.—LEWIS DIESEL ENGINE CO., Box 2828, DeSoto Sta., 92 W. Carolina Ave. Soybean receiving and shipping plants complete.

Memphis 12, Tenn.—MEMPHIS CONCRETE SILO CO., 2657 Princeton Ave.

FARM UNITS

Evanston, Ill.—BURROWS EQUIPMENT CO., 1116-7 Sherman Ave. Storage bins.

Kankakee, Ill.—A. O. SMITH CORP., P. O. Box 28. "Harvestore."

Onawa, Iowa.—GREEN GABLE BUILDERS, INC. Prefabricated wooden grain bins.

Detroit 29, Mich.—STRAN STEEL CORP., Ecorse. "Stran-Steel" all-steel, arch-rib quonset buildings for soybean storage and other uses.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 409 N. 1st St. Also at Des Moines, Omaha, Sioux Falls and Fargo. Wholesale distributor, "Lindsay Husky Giant" grain bins.

Independence, Mo.—CURRY STEEL PRODUCTS CO., 417 S. Spring St. Galvanized steel grain bins.

Kansas City 26, Mo.—BLACK, SIVALLS & BRYSON, INC., 7500 E. 12th. Bolted steel grain storage tanks and "Perfection" grain storage bins.

Kansas City 26, Mo.—BUTLER MFG. CO., 7400 E. 13th St. Farm grain bins.

Kansas City, Mo.—COLUMBIAN STEEL TANK CO., P. O. Box B-4226. Steel grain bins for farm storage.

Kansas City, Mo.—MIDWEST STEEL PRODUCTS CO., Railway Exch. Bldg. Grain storage bins.

Omaha 2, Nebr.—EATON METAL PRODUCTS CORP., 1301 Willis Ave. Also Kansas div., Hutchinson, Kans. Steel grain bins for farm storage.

New York, N. Y.—R. C. STANHOPE, INC., 60 E. 42nd St. Farm storage bins.

Mansfield, Ohio.—MARTIN STEEL PRODUCTS CORP., Longview Ave. Steel bolted grain tanks, grain bins, silos, haymakers, drying bins, corn cribs, utility and machinery buildings.

Middleton, Ohio.—CLAYTON & LAMBERT MFG CO., 1025 Lameck St. Also plant at Louisville, Ky. Farm structure, grain and bean storage.

Oklahoma City, Okla.—BOARDMAN CO., 1401 S.W. 11th St. Farm storage bins.

Rosemont, Pa.—LESTAN CORP., 17 Black Friar Rd. Steel tanks, new and used.

Sioux Falls, S. Dak.—SIOUX STEEL CO. "Sioux" steel grain bins.

Memphis, Tenn.—HAYS SUPPLY CO., 269-287 S. Front St. Farm storage bins; aeration equipment.

Memphis 12, Tenn.—MEMPHIS CONCRETE SILO CO., 2657 Princeton Ave. Heavy duty grain bins.

Memphis, Tenn.—PIDGEON-THOMAS IRON CO., E. H. Crump Blvd. and S. Main St. Steel fabricating, bins, tanks, structures.

SPRAYING EQUIPMENT

Emeryville 8, Calif.—BESLER CORP., 4053 Harlan St. Also Davenport Besler Corp., Davenport, Iowa. "Bes-Kil" aerosol concentrate sprayer.

Aurora, Ill.—FINCO, INC., 65 Fox St. "Finco" hi-clearance sprayer.

Bellwood, Ill.—SPRAYING SYSTEMS CO., 3201 Randolph St. "Teejet" nozzles and accessories for spraying of herbicides, insecticides, defoliants and liquid fertilizers.

Chicago, Ill.—ROOT-LOWELL CORP., 445 N. Lake Shore Dr. Plant at Lowell, Mich. Sprayers and dusters.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Cedar Rapids, Iowa.—CENTURY ENGINEERING CORP., 401 3rd St. Farm sprayers.

COMPLETE EQUIPMENT

FOR

GRAIN ELEVATORS . . . FLOUR AND FEED MILLS . . . SOYBEAN MILLS
CONVEYORS FOR MECHANICAL HANDLING OF MATERIALS
ENGINEERS AND MACHINERY ERECTORS

Harry E. Surface Company

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Over 30 Years Service in the Conveyor Industry

SPRAYING EQUIPMENT—

(Continued)

Waterloo, Iowa—DOBBINS DIVISION, Chamberlain Corp. Hand and power agricultural sprayers and dusters.

Neodesha, Kans.—AIROSPRAYER CO., P. O. Box 269. Manufacturer of power and hand "Airosprayer."

Detroit 11, Mich.—CHAMPION SPRAYER CO., 6509 Heintz Ave. "Champion" sprayers and dusters for applying insecticides and fungicides for weed and insect control and defoliants. Parts and accessories.

Hudson, Mich.—HARDIE MFG. CO. Also at Los Angeles and Portland. Tractor or engine-powered spraying equipment for insect and weed control. Dusters—tractor driven. Rain control portable irrigation equipment.

Minneapolis 11, Minn.—O. W. KROMER CO., 1120 Emerson Ave. N. Sprayer manufacturer.

Dakota City, Nebr.—THE BROYHILL CO. Field sprayers for applying herbicides, insecticides, fungicides and liquid fertilizer. Planter, cultivator, tractor, trailer and jeep attached types—pre-emergence or post-emergence, sub-surface fertilizer injectors; farm wagon hoists; aluminum, steel and rubber lined tanks.

Gowanda, N. Y.—BUFFALO TURBINE AGRICULTURAL EQUIPMENT CO., INC. Mist sprayer-duster. Concentrate air blast sprayers and dusters.

Middleport, N. Y.—NIAGARA CHEMICAL DIV., Food Machinery & Chemical Corp. Also plants at Harlingen, Tex.; Wyoming, Ill.; Richmond, Calif.; Jacksonville, Fla. Affiliate of Food & Machinery Corp., San Jose, Calif. Crop dusting machinery.

Ashland, Ohio—F. E. MYERS & BRO. CO. Complete line of engine-driven and power take-off trailer-type power sprayers. Front and rear mounted tractor sprayers. Row crop concentrate sprayers and attachments.

Cleveland 13, Ohio—ENGINE PARTS MFG. CO., 1760 W. 9th St. Boom sprayers for tractor and trailer; hand-type "Yellow Devil" sprayers; "Emparco" pumps.

York, Pa.—OLIVER CORP., 142 N. Duke St. "Iron Age" row crop and weed sprayers.

Beloit, Wis.—HANSON EQUIPMENT CO., 301 Charles St. Tractor-mounted chemical sprayers, PTO pump kits, engine-driven spraying units, carriers and transports.

THERMOMETERS

Atlanta 1, Ga.—A. A. WOOD & SONS CO., 436 Magnolia St. N.W. Manufactures thermometers used in checking heat of stored or piled beans and meal.

Chicago 6, Ill.—ZELENY THERMOMETER SYSTEM, 612 614 W. Monroe St. Thermometer system for taking temperature of soybeans or grains in storage.

Skokie, Ill.—POWERS REGULATOR CO., 3400 Oakton St. Temperature and humidity control systems for processing and space conditioning.

Des Moines 9, Iowa—HOT SPOT DETECTOR, INC., 214 3rd St. Manufactures and installs "Hot Spot" detector systems for measuring temperatures in grain storage bins, including portable and electronic units, automatic scanning and automatic recording measuring systems.

Grain Dealers Are Now Using 457 CONCRETE GRAIN STORAGE BINS

We Have Built

More than 90% of our volume in 1955 involved work for people we had served prior to 1955. More mistakes have been made in construction for grain people, in the past seven years, than we have ever heard of before. For that reason, we believe every grain dealer should insist that a contractor be financially responsible for his mistakes. There is as much difference in services as there is in men.

J. E. REESER COMPANY

Maroa, Illinois

THERMOMETERS— (Continued)

St. Paul 1, Minn. — PTC CABLE CO., 200-203 Anchor Bldg. Temperature indicating systems custom-designed for every size and shape storage facility. New PTC grain temperature reading console.

Rochester 1, N. Y. — TAYLOR INSTRUMENT COMPANIES, 95 Ames St. Manufactures instruments for indicating temperature.

Memphis, Tenn. — LEWIS SUPPLY CO., 477 S. Main St.

TRANSPORTATION EQUIPMENT

Chicago 90, Ill. — GENERAL AMERICAN TRANSPORTATION CORP., 135 S. La Salle St. "Airslide" cars designed for transportation of dry, granular or powdered commodities.

Chicago 4, Ill. — KEITH RAILWAY EQUIPMENT CO. (Keith Tank Line), 312 S. Michigan Ave. Also 681 Market St., San Francisco, and Longview, Tex. Owner and operator of tank cars to transport soybean oil.

Cedar Rapids, Iowa — HIGHWAY EQUIPMENT CO., INC., 616 D Ave. N.W. "New Leader Bulk-master" bulk feed delivery bodies, transports, and commercial fertilizer and lime spreaders.

TRUCK LIFTS

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Peoria, Ill. — PAUL J. HAGERTY EQUIPMENT CO., 800 S. Adams St.

Hammond, Ind. — SCREW CONVEYOR CORP., 737 Hoffman St. "Kewanee" truck dumpers and overhead lifts.

Cedar Rapids, Iowa — J. C. KINTZ CO., 1737 R Ave. N.E.

Pella, Iowa — BIERKENS CORP., P. O. Box 158. Manufactures hydraulic underbody dump hoists.

Enterprise, Kans. — J. B. EHRSAM & SONS MFG. CO. Truck hoists; semi-trailer platform dumps.

Minneapolis 14, Minn. — AIR-O-FLEX EQUIPMENT CO., INC., 300 E. Hennepin Ave. Manufactures a complete line of pneumatically and hydraulically powered truck lifts and grain dumpers for country and terminal elevators.

Minneapolis, Minn. — R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Truck dumps.

Kansas City, Mo. — GENERAL MILL EQUIPMENT CO., 201 Pennsylvania Ave.

Omaha, Nebr. — BENDER HOIST MFG. CO., 403 S. 67th St. Manufacturer of "Bender" overhead electric truck lift and elevator equipment.

Sidney, Ohio — SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Truck dumps.

Springfield, Ohio — DUPLEX MILL & MFG. CO. Truck hoists.

Portland 8, Ore. — HYSTER CO., 2002 N.E. Clackamas St. Also plants in Peoria and Danville, Ill., and Nijmegen, the Netherlands. Manufactures fork lift trucks, mobile cranes, straddle carriers, horizontal transporting units.

Memphis, Tenn. — DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn. — LEWIS SUPPLY CO., 477 S. Main St.

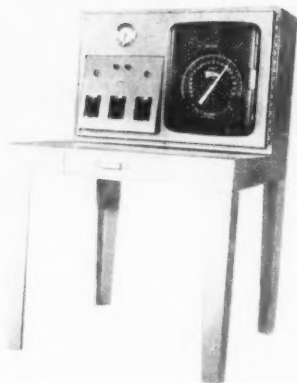
Fort Worth, Tex. — INDUSTRIAL MACHINERY CO., INC., 2400 S. Main.

PTC Grain Temperature Reading Console

Fas? . . . Accurate . . . Economical

You see only three switches on the New PTC Electronic Temperature Reading Console at right. The three switches read up to 114 bins. Four switches read up to 228 bins; five, up to 342 bins. These simplified switches are exclusive with PTC.

PTC offers many technical advances for an elevator owner or superintendent. Write for literature and sample of PTC ccble. No obligation. Address inquiries to:



PTC CABLE CO.

200-203 ANCHOR BLDG.

ST. PAUL 1, MINNESOTA

UNLOADERS

Little Rock, Ark.—HUBERT PHELPS MACHINERY CO., 1700 E. 9th St. Pneumatic unloaders for trucks or boxcars.

Chicago 4, Ill.—BRADY CONVEYORS CORP., 26 W. Jackson Blvd. Pneumatic car unloaders.

Chicago 1, Ill.—LINK-BELT CO. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. R. R. car unloaders and hydraulic truck dumpers for handling soybeans, grain, etc.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Pella, Iowa—BUERKENS CORP., P. O. Box 158. Manufactures hydraulic unloaders, false end gate type.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

Fort Worth, Tex.—BENSON POWER SHOVEL CO., 3320 W. Vickery. Plant at 4201 Azle Ave. Manufactures power grain shovels for unloading bulk cars, and aluminum handles for any type power shovel.

WATERPROOFING

Huntington, Ind. — HUNTINGTON LABORATORIES, INC. "Texture Seal."

Des Moines 9, Iowa — TITCRETE CO., INC., 519 Teacout Bldg. "Tuttite" for below grade, from inside of building; "Tutseal" above grade, from outside of building.

Hutchinson, Kans.—SUPPLY SERVICE, INC., 528 S. Main St. "Binkote," developed especially for grain elevators.

St. Louis 1, Mo.—WESTERN WATERPROOFING CO., Syndicate Trust Bldg. "Resto-Crete" system of weatherproofing, waterproofing, concrete restoration, tuck-pointing, building cleaning. Engineers and contractors.

Cleveland 13, Ohio—HALLEMITTE MFG. CO., 244 W. 25th St. "Halcoloid" asphalt base cold process roof coating for various types of roofs. Invisible waterproofing for sealing exterior masonry walls against moisture penetration.

Cleveland 13, Ohio—A. C. HORN CORP., contracting div., 390 Lakeside Ave. N.W. Also at Long Island City 1, N. Y.; Minneapolis 7. Repairing and waterproofing concrete of existing grain elevators.

Cleveland 12, Ohio—UNITED LABORATORIES, INC., 16801 Euclid Ave. Roofing, weatherproofing.

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Chicago, Ill.—THE ALLBRIGHT-NELL CO., 5225 S. Western Blvd. Filling equipment—lard and shortening.

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave. Automatic weighers.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Scales.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Hoopeston, Ill. — FOOD MACHINERY & CHEMICAL CORP., canning machinery div. Labelers, boxers and filling machines—liquid, oil, viscous.

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WEIGHING AND PACKAGING EQUIPMENT—(Continued)

Anderson, Ind.—LYNCH CORP., P. O. Box 21. "Morpac" combined print forming, wrapping and cartoning machines for margarine.

Terre Haute, Ind.—WINSLOW GOVERNMENT STANDARD SCALE WORKS, INC., 25th and Haythorne Ave. Motor truck scales, platform type; floor type or warehouse scales; grain hopper scales; batching scales of multiple beam type.

Cedar Rapids, Iowa—BARNARD & LEAS MFG CO., INC., 1300 12th St. S.W. All electric and line-shaft driven auger packers.

Cedar Rapids, Iowa—J. C. KINTZ CO., 1737 B Ave. N.E. Bag scales.

Quincy 71, Mass.—PNEUMATIC SCALE CORP., LTD., 65 Newport Ave. Automatic packaging and bottling machinery.

Roslindale 31, Mass.—NATIONAL PACKAGING MACHINERY DIV., U. S. Automatic Box Machinery Co., Inc., 23 Aboretum Rd. Packaging machinery.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave and S.E. 4th St. Scales.

Kansas City 8, Mo.—AMERICAN SCALE & VISE CO., div. of Cromb & Gagel, Inc., 2745 Southwest Blvd. Plant at Pleasant Hill. Portable platform and truck scales; vises.

Webb City, Mo.—WEBB CORP., 402 Broadway. Manufactures truck and warehouse scales; railroad track scales; batching scales.

Clifton, N. J.—RICHARDSON SCALE CO., 668 Van Houten Ave. Automatic weighing, sacking and proportioning equipment.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used labelers, filling machines, packaging, bottling and wrapping machines.

Brooklyn, N. Y.—DETECTO SCALES, INC., 540 Park Ave. Manufactures retail store and industrial scales.

Buffalo, N. Y.—BUFFALO SCALE CO., INC., 46 Letchworth St. Manufactures industrial scales; automatic batching scales.

New York 13, N. Y.—AUTOMATIC SCALE CO., INC., 180 Lafayette St. Automatic weighing and bagging machinery.

New York 17, N. Y.—INTERNATIONAL PAPER CO., bagpak div., 220 E. 42nd St. Plants at Camden, Ark., Mobile, Ala., and Bastrop, La. Bag filling, weighing and closing machinery.

Silver Creek, N. Y.—S. HOWES CO., INC. Sacking scales and weighers.

Cincinnati, Ohio—KARL KIEFER MACHINE CO., 919 Martin St. Equipment for cleaning, filling, closing, and conveying containers used in packaging of liquid and viscous materials.

Columbus 7, Ohio—BONDED SCALE & MACHINE CO., 95 Kingston Ave. Motor truck and industrial scales, stationary and portable models.

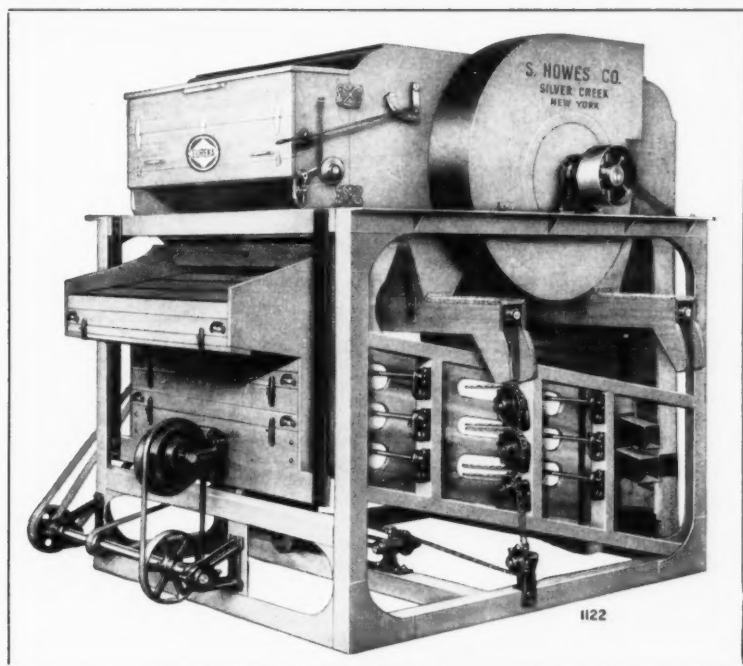
Columbus 8, Ohio—EXACT WEIGHT SCALE CO., 971 W. 5th Ave. Also Dept. AM, 5 Six Points Rd., Islington, P. O. Box 179, Postal Station S., Toronto 18, Ontario. Sacking scales; predetermined weight scales for packaging, automatic filling and checkweighing.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Scales.

Pittsburgh 4, Pa.—HORIX MFG. CO., Greenway Dr. Liquid fillers.

Rutland, Vt.—HOWE SCALE CO., INC. Scales.

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CATALOG SB 180-B

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Fresno, Calif.—**VALLEY FOUNDRY & MACHINE WORKS, INC.** 2718 East Ave. Filter presses.

Los Angeles 17, Calif.—**DICALITE DIVISION**, Great Lakes Carbon Corp., 612 S. Flower St. Other offices at 333 N. Michigan Ave., Chicago 1, Ill.; 18 E. 48th St., New York 17, N. Y. Manufactures diatomaceous earth filteraids for filtration of soybean oil or any other liquid or liquor concerned in processing soy products.

Los Angeles 23, Calif.—**FILTROL CORP.**, 3250 E. Washington Blvd. Plants at Vernon, Calif.; Jackson, Miss.; Salt Lake City, Utah. Activated adsorbents, decolorizing adsorbents, desiccants, activated bleaching clays, activated bleaching earths. Alumina for dehydration.

New Haven 14, Conn.—**NATIONAL FILTER MEDIA CORP.** Office, 2657 W. 19th St., Chicago 8. Also plant in Salt Lake City. Weaver of filter media—natural and synthetic filters—cotton, nylon, orlon, dacron, saran, glass, etc. Also filter paper.

Stamford, Conn.—**DORR-OLIVER INC.** Continuous vacuum and pressure filters.

Wilmington, Del.—**DARCO ATLAS POWDER CO.** Activated carbons. Purifying.

Batavia, Ill.—**D. R. SPERRY & CO.** Filter cloths, filter presses.

Chicago 16, Ill.—**FILPACO INDUSTRIES, INC.**, 2421 S. Michigan Ave. Filters, filter presses.

Chicago 16, Ill.—**FILTER PAPER CO.**, 2421 S. Michigan Ave. Filter cloths and bags, filter papers, asbestos pads, filter aids.

Chicago 39, Ill.—**OLSON FILTRATION ENGINEERS, INC.**, 1624 N. Kilbourn Ave. Manufactures Olson "Super-Flow" filters.

Chicago 6, Ill.—**SIECK & DRUCKER, INC.**, 9 S. Clinton St. Bleaching installations.

1337 E. 52nd St. Bleaching installations.

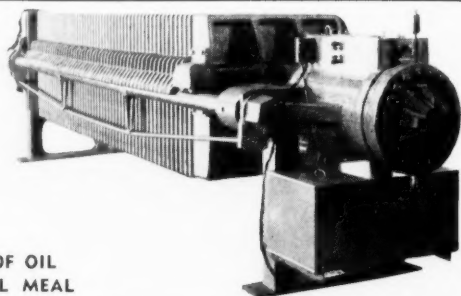
Chicago 15, Ill.—**WURSTER & SANGER, INC., East Moline, Ill.**—**NIAGARA FILTERS DIV.**, American Machine & Metals, Inc. Filters; filter papers, cloths; filter presses.

Evanston, Ill.—**BURROWS EQUIPMENT CO.**, 1367 Sherman Ave. Filter papers, cloths.

Mundelein, Ill.—**SPARKLER MFG. CO.** "Sparkler" semi-automatic, heavy-duty, vertical and horizontal plate filters.

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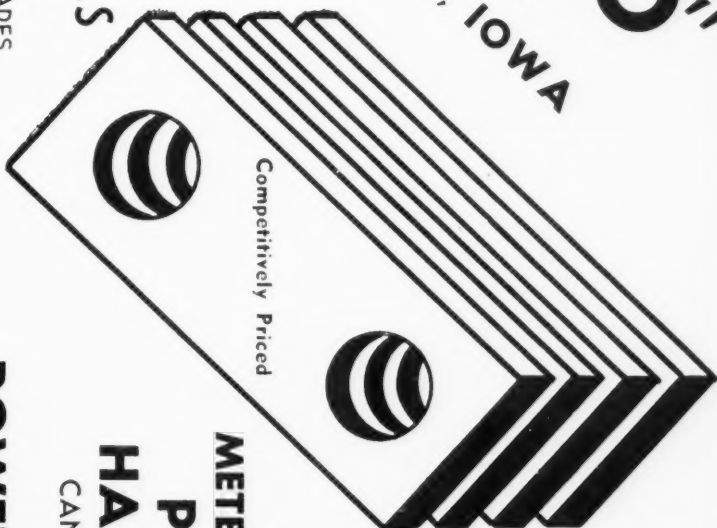
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BLEACHING AND FILTERING EQUIPMENT—(Continued)

Cedar Rapids, Iowa.—J. C. KINTZ CO., 1737 B Ave. N.E. Filter papers, cloths.

Louisville 1, Ky.—GIRDLER CO. Continuous vacuum bleaching plants.

South Walpole, Mass.—BIRD MACHINE CO. Pressure filters, vacuum filters.

Berlin, N. H.—BROWN CO., 650 Main St. Manufactures "Solka-Floc" a highly purified wood cellulose—an efficient filteraid.

Harrison, N. J.—T. SHRIVER & CO., INC. Filter presses and diaphragm pumps.

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used vacuum and pressure filters; used filter presses, all sizes.

Plainfield, N. J.—ALAN PORTER LEE ASSOCIATES, Saw Mill Rd., Rt. No. 1. Bleaching installations.

New York 7, N. Y.—H. REEVE ANGEL & CO., INC., 52 Duane St. Filter paper for use in laboratory and plant.

New York 16, N. Y.—ALBERT GODDEBERG, INC., 437 5th Ave. Plant at Depew. Manufactures silk bolting cloth; nylon, orlon, and dacron filter fabrics.

New York 17, N. Y.—INNIS SPEIDEN CO. div. Berkshire Chemicals Inc., 420 Lexington Ave. Activated and inactivated decolorizing clay.

New York 16, N. Y.—JOHNS-MANVILLE, 22 E. 40th St. Celite (diatomaceous earth). Filter aids.

New York 38, N. Y.—L. A. SALOMON & BRO., 216 Pearl St. Bleaching agents, filter aids.

New York 6, N. Y.—FOSTER WHEELER CORP., 165 Broadway.

Cleveland 13, Ohio.—FILTER FABRICS INC., 1279 W. 3rd St. Filter cloths for plate and frame presses. Filter blankets. Filter bags for solvent extraction process. Gauze and straining materials. Filter papers and discs.

Filtertown, Mt. Holly Springs, Pa.—THE EATON-DIKEMAN CO. Manufacturer of filters and filter papers.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. Air filters.

Philadelphia 7, Pa.—WM. E. HOOVER & SONS CO., Liberty Trust Bldg., Broad and Arch Sts. Manufacturer of cotton and synthetic filter cloth.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill. Bleaching and filtering.

Nacogdoches, Tex.—BENNETT CLARK CO., INC., P. O. Box 951. Bleaching and filtering clays.

Milwaukee, Wis.—ALLIS CHALMERS MFG CO., gen. machinery div. Filters.

CATALYSTS

Los Angeles 23, Calif.—FILTROL CORP., 3200 E. Washington Blvd. Plants at Vernon, Calif.; Jackson, Miss.; Salt Lake City, Utah. Cracking catalysts. Powder and pelleted alumina for catalyst base.

New York, N. Y.—E. F. DREW & CO., INC., 15 E. 24th St. Plant at Boonton, N. J.

New York 38, N. Y.—L. A. SALOMON & BRO., 216 Pearl St. Alkylation, splitting, reforming, and dehydrating catalysts in powder and pellets. Activated carbon.

Cleveland 6, Ohio.—HARSHAW CHEMICAL CO., 1945 E. 97th St.

Chattanooga, Tenn.—RANEY CATALYST CO., 718 Hamilton National Bank Bldg.

COMPLETE PLANTS

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Designs and constructs continuous solvent extraction, degumming, neutralization, bleaching, hydrogenation, deodorization, shortening, margarine, fatty acid distillation, fat splitting, soap and glycerine equipment.

Louisville 1, Ky.—GIRDLER CO. Vaporator div., 223 E. Broadway. Complete oil processing plants.

Cleveland 2, Ohio.—V. D. ANDERSON CO., 1990 W. 96th St. Designer and fabricator of complete petroleum and non-flammable type solvent extraction plants and equipment.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill. Complete process plants for the fatty oil industry.

London, S.W.6, England.—COSTAIN-JOHN BROWN LIMITED, proprietors of Ramag (1953) Ltd., Roxby Place. Complete plant for solvent extracting, hydrogenation and deodorizing soybean oils; machinery for recovering and concentrating lecithin.

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Chicago 15, Ill.—**WURSTER & SANGER, INC.**, 1337 E. 52nd St. Complete continuous solvent extraction (Fittex) plants.

Minneapolis 13, Minn.—**CROWN IRON WORKS CO.**, 1229 Tyler St. N.E.

Minneapolis 20, Minn.—**ROONEY WELDING & MACHINE SHOP**, 8710 S. Lyndale. Solvent shafts rebuilt.

St. Paul 1, Minn.—**FUEL ECONOMY ENGINEERING CO.**, 510 New York Bldg. Construction of soybean solvent extraction plants.

Haddonfield, N. J.—**STOCKDALE ENGINEERING CO.**, P. O. Box 144. Affiliate of Extraction Continue De Smet, Antwerp, Belgium. Distributor of "De Smet" continuous solvent extraction plants and auxiliary equipment.

West Orange, N. J.—**OTTO H. YORK CO., INC.**, 6 Central Ave. "Yorkmesh Demisters," entrainment separator and mist eliminator wire mesh pads for installation in distillation equipment; evaporators, scrubbers, knockout drums and steam drums.

West Orange, N. J.—**YORK PROCESS EQUIPMENT CORP.**, 6 Central Ave. Liquid-liquid extraction equipment for refining processes. Entrainment separator vessels.

New York 17, N. Y.—**PRODUCTION ENGINEERING CO.**, 420 Lexington Ave.

Cleveland 2, Ohio—**V. D. ANDERSON CO.**, 1990 W. 96th St. Designer and fabricator of complete petroleum and non-flammable type solvent extraction plants and equipment.

Piqua, Ohio—**FRENCH OIL MILL MACHINERY CO.** Vertical, rectangular, and horizontal basket extractors; solvent toasters.

Glen Riddle, Pa.—**PITTOCK & ASSOCIATES**. Used solvent extraction plants, Anderson and others.

Pittsburgh, Pa.—**BLAW-KNOX CO.**, P. O. Box 1198. Also Chicago 1, Ill.

Milwaukee, Wis.—**ALLIS CHALMERS MFG. CO.**, gen. machinery div.

London, S.W. 6—**COSTAIN JOHN BROWN LIMITED**, proprietors of Ramag (1953) Ltd., Roxby Place.

CONTINUOUS SCREW PRESSES

Minneapolis 20, Minn.—**ROONEY WELDING & MACHINE SHOP**, 8710 S. Lyndale. Expeller shafts rebuilt.

Cleveland 2, Ohio—**V. D. ANDERSON CO.**, 1990 W. 96th St. Exclusive builder of "Expellers." Designer of complete oil mills.

Piqua, Ohio—**FRENCH OIL MILL MACHINERY CO.** Continuous screw presses.

Glen Riddle, Pa.—**PITTOCK & ASSOCIATES**. Anderson and French screw presses; continuous screw presses. Rebuilt for all oilseeds.

DEGUMMING

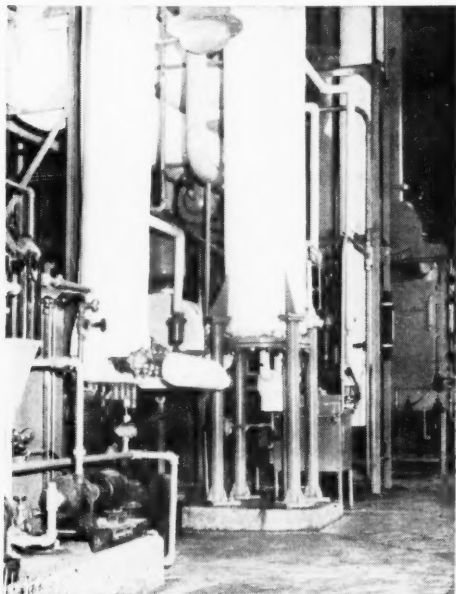
Chicago 15, Ill.—**WURSTER & SANGER, INC.**, 1337 E. 52nd St. Complete degumming equipment.

Englewood, N. J.—**CENTRICO INC.**, 75 W. Forest Ave. Importer and distributor of "Wexfalia" separators and clarifiers.

Poughkeepsie, N. Y.—**DE LAVAL SEPARATOR CO.** Offices also at 427 Randolph St., Chicago 6, Ill. and 201 E. Millbrae, Millbrae, Calif.

Philadelphia 40, Pa.—**SHARPLES CORP.**, 2300 Westmoreland St.

Pittsburgh, Pa.—**BLAW-KNOX CO.**, chemical plants div. Also Chicago 1, Ill.



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DEODORIZATION

Chicago 6, Ill.—SIECK & DRUCKER, INC., 9 S. Clinton St. High vacuum deodorizers.

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Complete batch and continuous, high vacuum deodorization plants.

Rockford, Ill.—ECLIPSE FUEL ENGINEERING CO., 1156 Buchanan St. Dowtherm heating systems and process steam boilers—all packaged units.

Louisville 1, Ky.—GIRDLER CO. Votator semi-continuous deodorization plants.

Plainfield, N. J.—ALAN PORTER LEE ASSOCIATES, Saw Mill Rd., R. No. 3. Batch and continuous.

New York 17, N. Y.—INDUSTRIAL CHEMICAL SALES, 230 Park Ave., div. of West Virginia Pulp & Paper Co. Offices at 35 E. Wacker Drive, Chicago 1, Ill.; Philadelphia National Bank Bldg., Philadelphia 7, Pa.; 2775 S. Moreland Blvd., Cleveland 20, Ohio. Activated carbon, refined and crude tall oils.

New York 38, N. Y.—L. A. SALOMON & BRO., 26 Pearl St. Activated carbon, bleaching clays.

New York 6, N. Y.—FOSTER WHEELER CORP., 165 Broadway. Batch and continuous installations. Dowtherm systems.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. Deodorizers.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill. Batch installations. Dowtherm heating systems.

Warren, Pa.—STRUTHERS WELLS CORP. Batch and continuous deodorizers. Heaters and coolers.

FRACTIONATION

Chicago, Ill.—ARMOUR CHEMICAL DIVISION, 1355 W. 31st St. Plant also at 47th St. and Lawndale Ave., McCook, Ill.

HYDRAULIC PRESSING EQUIPMENT

Piqua, Ohio—FRENCH OIL MILL MACHINERY CO.

HYDROGENATION

Atlanta, Ga.—W. F. H. SCHULTZ, INC., 322 Roswell Rd. N.W. Hydrogen and nitrogen production and storage.

Chicago 6, Ill.—SIECK & DRUCKER, INC., 9 S. Clinton St. Hydrogenators, hydrogen production and storage.

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Complete hydrogenation, hydrogen gas producing and storage systems.

Louisville 1, Ky.—GIRDLER CO. "Hygirtol" hydrogen manufacturing plants.

Plainfield, N. J.—ALAN PORTER LEE ASSOCIATES, Saw Mill Rd., R. No. 3. Hydrogenators.

New York 6, N. Y.—FOSTER WHEELER CORP., 165 Broadway. Hydrogenators.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill.

Warren, Pa.—STRUTHERS WELLS CORP. Hydrogenators.

MARGARINE

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Complete tropical margarine plants.

Louisville 1, Ky.—GIRDLER CO. Complete margarine plants. Margarine manufacturing apparatus.

Saginaw, Mich.—BAKER-PERKINS, INC., chemical machinery div. Mixing equipment, centrifugals.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill.

MISCELLANEOUS

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 2718 East Ave. Stainless steel tanks. Special equipment made to order.

Los Angeles 64, Calif.—PACIFIC TRANSDUCER CORP., 118 1/2 W. Pico Blvd. Melting point meter for oils, waxes, resins.

San Francisco 10, Calif.—ENTERPRISE ENGINE & MACHINERY CO., 18th and Florida Sts. Subsidiary of General Metals Corp. Foos press-free oil extraction from foos.

San Francisco 11, Calif.—MERCOCENTRIFUGAL CO., 150 Green St. Affiliate of Merrill Co. Manufactures centrifuges used in all phases of soybean protein production.

Santa Rosa, Calif.—RIETZ MFG. CO., 150 Todd Rd. Manufacturer of equipment for food and chemical process industries. "Rietz" Disintegrators, Prebreakers and Thermascraws.

Waterbury 20, Conn.—BRISTOL CO. Temperature recorders; pH measurement and control instruments.

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave. Feeders.

Decatur, Ill.—BOWMAN WELDING & METAL WORKS, 501 E. North St. Manufactures and rebuilds hard-surfaced screw-type press parts.

Decatur, Ill.—LEADER IRON WORKS, INC., 2156 N. Jasper St. Tanks, kettles, condensers and heat exchangers.

East Moline, Ill.—NIAGARA FILTERS DIV., American Machine & Metals, Inc.

East Moline, Ill.—TOLHURST CENTRIFUGALS DIV., American Machine & Metals, Inc. Centrifugal extractors.

Maywood, Ill.—COLEMAN INSTRUMENTS, INC., 318 Madison St. Manufactures "Coleman Model 6B Spectrophotometer" for evaluation of vegetable oil color.

Skokie, Ill.—POWERS REGULATOR CO., 3400 Oakton St. Temperature and humidity control systems for processing and space conditioning.

Davenport, Iowa—DAVENPORT MACHINE & FOUNDRY CO., 1628 W. 4th St. "Rotary" driers, conditioners and coolers used in solvent extraction.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N.E. Soybean oil meal coolers.

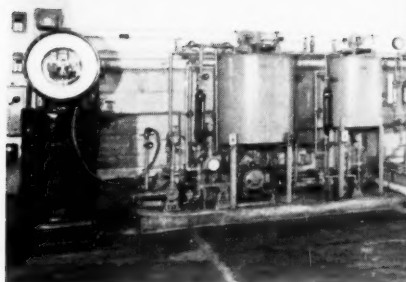
Minneapolis 13, Minn.—MIAG NORTHAMERICA, INC., 420 Flour Exchange Bldg. Also 459 Atwater St., St. Paul. Operates Braunschweig, Western Germany. Flaking rolls, spare rolls for flakers, expellers, basket band solvent extractors.

Belleville 9, N. J.—WALLACE & TIERNAN INC., 25 Main St. "Merchen" belt-type gravimetric scale feeders and meters for blending, inventory records, process yield records, quality control, bulk loading or unloading. Feeders adaptable for either continuous or batch operations.

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CRYSTAL BALL!



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THE DE LAVAL SEPARATOR COMPANY Poughkeepsie, New York • 427 Randolph St., Chicago 6
DE LAVAL PACIFIC CO. 201 E. Millbrae Ave., Millbrae, Calif.

MISCELLANEOUS—(Continued)

Hoboken, N. J.—CONSOLIDATED PRODUCTS CO., INC., 52-54 Bloomfield St. Used Anderson and French screw presses, extractors, stills, columns and kettles.

Plainfield, N. J.—ALAN PORTER LEE ASSOCIATES, Saw Mill Rd., R. No. 3. Miscellaneous refining equipment.

New York 17, N. Y.—HEYDEN CHEMICAL CORP., 342 Madison Ave. Manufactures chemicals including "Propyl Gallate," an antioxidant for the inhibition of rancidity in soybean oil and related products.

Poughkeepsie, N. Y.—DE LAVAL SEPARATOR CO. Offices also at 427 Randolph St., Chicago 6, Ill., and 201 E. Millbrae, Millbrae, Calif. Winterizing; also miscella clarifiers and protein concentrators; centrifugal separators.

Rochester 1, N. Y.—TAYLOR INSTRUMENT COMPANIES, 95 Ames St. Manufactures instruments for indicating, recording and controlling temperature, pressure, flow, density, load, liquid level and humidity.

Cleveland 2, Ohio—V. D. ANDERSON CO., 1990 W. 96th St. Coolers, screening tanks, flakers, steam traps, atmospheric and pressure meal toasters, distillation systems, filters, steam, gas, air and vapor purifiers, special fabricated equipment.

Erie, Pa.—ERIEZ MFG. CO. Permanent non-electric magnets, magnetic non-electric separators.

Glen Riddle, Pa.—PITTOCK & ASSOCIATES. Miscellaneous used and rebuilt oil mill equipment, including meal toasters, coolers, filter presses, oil screening tanks, grinders, scales, elevators and screw conveyors.

Homer City, Pa.—SYNTRON CO., 466 Lexington. Also plant at Blairsville, Pa. Electric vibrators for bins, hoppers, and chutes; vibratory feeders for controlling the flow of materials.

Mertztown, Pa.—ATLAS MINERAL PRODUCTS CO. Also at Houston, Tex. Corrosion-proof coatings, linings, cements and jointing materials resistant to soybean oil; solvents, alkalies and acids employed in the soybean industry.

Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. Distillation equipment. Drying ovens (with solvent recovery apparatus).

Philadelphia, Pa.—MINNEAPOLIS HONEYWELL REGULATOR CO., industrial div., Wayne and Windrim Ave. Design and fabrication of automatic control instruments and complete process control systems.

Brookings, S. Dak.—E. L. ERICKSON PRODUCTS. Designs and manufactures special equipment for research or other purposes.

Memphis, Tenn.—WILCO MACHINE WORKS, 1301 N. Hollywood. Manufactures Wilco-Staubury Steam Saver—a closed condensate return system.

Fort Worth, Tex.—V. A. LESSOR & CO., P. O. Box 108. Used oil mill equipment.

Seattle 44, Wash.—LAUCKS LABORATORIES, INC., 1201 Poplar Place. Manufactures "Laucks Sentry", continuous moisture detector for automatic control of moisture in soybean oil meal and cottonseed meal.

Milwaukee, Wis.—ALLIS CHALMERS MFG. CO., gen. machinery div. Motors, pumps, control.

Milwaukee 12, Wis.—CLEAVER BROOKS CO., 326 E. Keele Ave. Boilers for heating and processing; burners for industrial and commercial installations.

NEUTRALIZATION

Chicago 6, Ill.—SIECK & DRUCKER, INC., 9 S. Clinton St. Kettle refining.

Chicago 15, Ill.—WURSTER & SANGER, INC., 1357 E. 52nd St. Kettle and continuous refining plants.

Poughkeepsie, N. Y.—DE LAVAL SEPARATOR CO. Offices also at 427 Randolph St., Chicago 6, Ill. and 201 E. Millbrae, Millbrae, Calif. Continuous refining.

Philadelphia 40, Pa.—SHARPLES CORP., 2300 Westmoreland St. Continuous refining.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill.

SHORTENING

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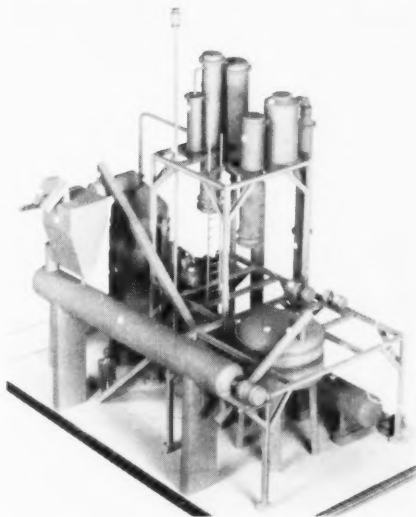
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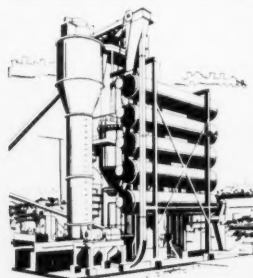
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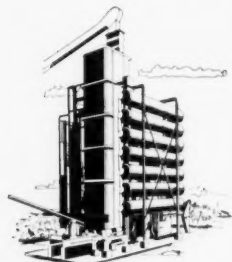
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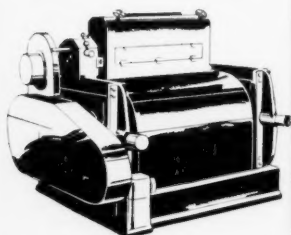




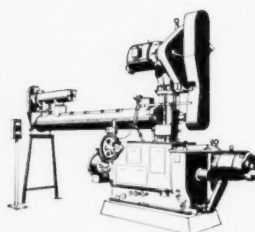
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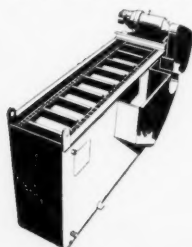
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